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DIVISION OF EMPLOYMENT SECURITY
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OCCUPATIONS IN TRADE, TRANSPORTATION COMMUNICATIONS AND UTILITIES

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FOREWORD

The Occupational Employment Statistics Program is a part of a Federal-State cooperative program involving State Employment Security Agencies (SESA's) as well as the Employment and Training Administration (ETA) and the Bureau of Labor Statistics (BLS). It was designed to meet the needs of economists, employment specialists, educators, counselors and others for current data on employment by occupations as well as projected data on employment by occupation and industry.

This publication is the eighteenth in a series on current occupational profiles of Massachusetts industries. The information was used in constructing an updated industry-occupation matrix and was used as a data base for projecting future employment needs. Highlights of the industry-occupation matrix are published separately. Copies of all previous survey publications are available for reference in our research department.

Our sincere appreciation is extended to the many employers who participated in this survey, without whose support this labor market information would not be available. Acknowledgement for support is also made to the U.S. Department of Labor and in particular to the Bureau of Labor Statistics - both on national and regional levels for their technical support. We also wish to recognize the contribution of the data processing department, the clerical unit, the reproduction unit and methods and procedures department.

OCCUPATIONS IN TRADE, TRANSPORTATION COMMUNICATIONS AND UTILITIES

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EXECUTIVE SUMMARY

- This publication presents the results and analysis of the eighteenth occupational survey of Massachusetts industries. Data covering these divisions of the non-manufacturing sector appeared in three prior publications: 1973, 1976. and 1979. Each industry is surveyed triennially.
- Detailed occupational staffing patterns are presented for 12 two digit and 50 three digit industries.
- Despite adverse economic conditions within some segments of the retail trade sector, overall employment increased by more than two percent between 1979 and 1982. The largest single percentage decrease in this sector was the nearly eight percent loss among auto dealers and gasoline stations.
- Wholesale trade industries registered a four percent growth rate over this same period.
- The transportation, communications and utilities industries experienced a minor employment loss over the three year period. The largest decline was recorded in motor freight transportation and warehousing.
- Occupational staffing patterns have changed considerably within many industries. These changes reflect the continued growth in automation, new product development, and the strenghening of sales staffs.

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INTRODUCTION

Total employment in the industries covered by this survey has grown by 2.6 percent since our last survey in 1979. This represents a change from 695,768 in 1979 to a level of 710,089 workers in 1982. Employment in regulated industries remains virtually unchanged, from one survey to the next, while the trade sector shows a 2.6 percent growth. As graphically illustrated on Page 4, employment in trade and regulated industries represents over 31 percent of total wage and salary workers in the Commonwealth.

The Occupational Employment Statistics (OES) survey is a triennial program which collects information on approximately one third of the State's workers each year.

The OES program has three major components: the survey, which produces individual industry profiles; the matrix, which cross tabulates all the industry profiles and allows one to consider a single occupation across industries; and the projections, which produces both industry and occupations. Recent efforts have produced a publication "Occupations in Massachusetts: Projected Changes 1980 to 1990".

The scope of this survey by two digit Standard Industrial Code (SIC) is outlined on Page 2. The text of the document includes analyses of each of these two digit industries followed by selected three digit industries where appropriate. In order to facilitate easy reference, industry reviews are indluded in ascending SIC sequence.

Analysis of changes in an industry's occupational employment requires an initial understanding of the change in total employment since the last reference period. Employment for each year from 1979 through 1982 and the survey reference months are included on Page 3 of this report. These data are also discussed throughout the text of this publication.

A section of this report on survey methodology includes a brief review of the survey results including an explanation of the sample, sampling techniques and the universe from which it was drawn. Estimating procedures and the types of sampling and non-sampling errors which can occur are discussed.

The criteria for data publication follows strict guidelines to insure that the information presented is realistic and as free from error as possible. No industry is published in which the response level was less than 60 percent, or the employment total less than one thousand. Occupations with estimated employment of less than 10 are not published. This employment is grouped into an "all other" category. Judgement and experience are also used in establishing the credibility of estimates.

Our next survey, covering manufacturing industries as well as hospitals is currently in the data collection phase. We hope this series of publications is of value to you and we would appreciate your comments.

SCOPE OF SURVEY

This survey covered the following Standard Industrial Classifications as defined in the 1972 Manual. For your convenience, listed below are the two digit SIC Codes with their short titles.

SIC Code	Short Titles
41	Local & Suburban Transit & Interurban Highway and Passenger Transportation
42	Motor Freight Transportation and Warehousing
44	Water Transportation
45	Transportation by Air
46	Pipeline Transportation
47	Transportation Services
48	Communication
49	Electric, Gas, and Sanitary Services
50	Wholesale Trade - Durable Goods
51	Wholesale Trade - Nondurable Goods
52	Building Materials, Hardware, & Mobile Homes
53	General Merchandise Stores
54	Food Stores
55	Auto Dealers and Gasoline Service Stations
56	Apparel and Accessory Stores
57	Furniture and Home Furnishing Stores
58	Eating and Brinking Places
59	Miscellaneous Retail

BALANCE OF NONMANUFACTURING
Employment Trends 1979 - 1982

SIC 1/ CODE	Reference Month	1979 2/	1980 2/	1981 2/	1982 3/	Percent Change 1979 - 1982
41	June	17172	16490	16099	15950	- 7.1
42	May	28273	26794	26429	25406	- 10.1
44	April	2428	2685	2571	2704	11.4
45	June	9876	10238	9811	9063	- 8.2
46 4/	June	-	-	-	-	-
47	April	5274	5431	5766	6251	18.5
48	June	36404	36943	37724	39163	7.6
49	April	17885	18377	18293	18124	1.3
50	June	67821	68633	70100	71000	4.7
51	June	59543	59936	60611	61692	3.6
52	June	14317	14296	14229	14436	0.8
53	June	57899	56795	57619	54764	- 5.4
54	June	76462	77491	79237	79437	3.9
55	June	42471	39822	39475	39187	- 7.7
56	June	32967	33656	34553	33480	1.6
57	June	15072	14801	14782	14581	- 3.3
58	June	149780	150387	154532	157104	4.9
59	June	62124	63240	65150	67747	9.1
TOTAL		695768	696015	706081	710089	2.1

1/ 1972 Edition SIC Manual

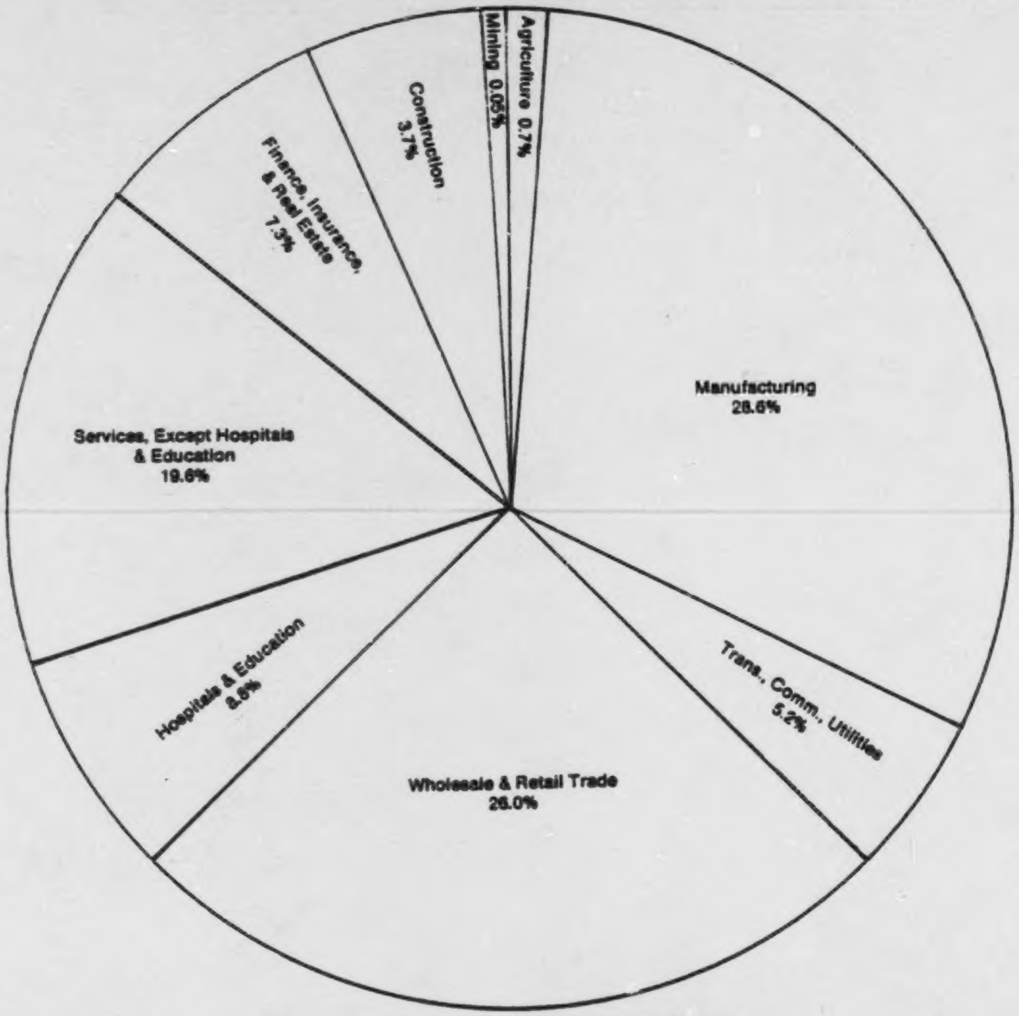
2/ ES-202 figures are revised where necessary to eliminate the effect of changes due to industry re-coding

3/ Totals are revised and thus may differ slightly from those in the occupational tables

4/ Less than 100 employment

Source: ES-202

DISTRIBUTION OF COVERED EMPLOYMENT 1/ - June 1982



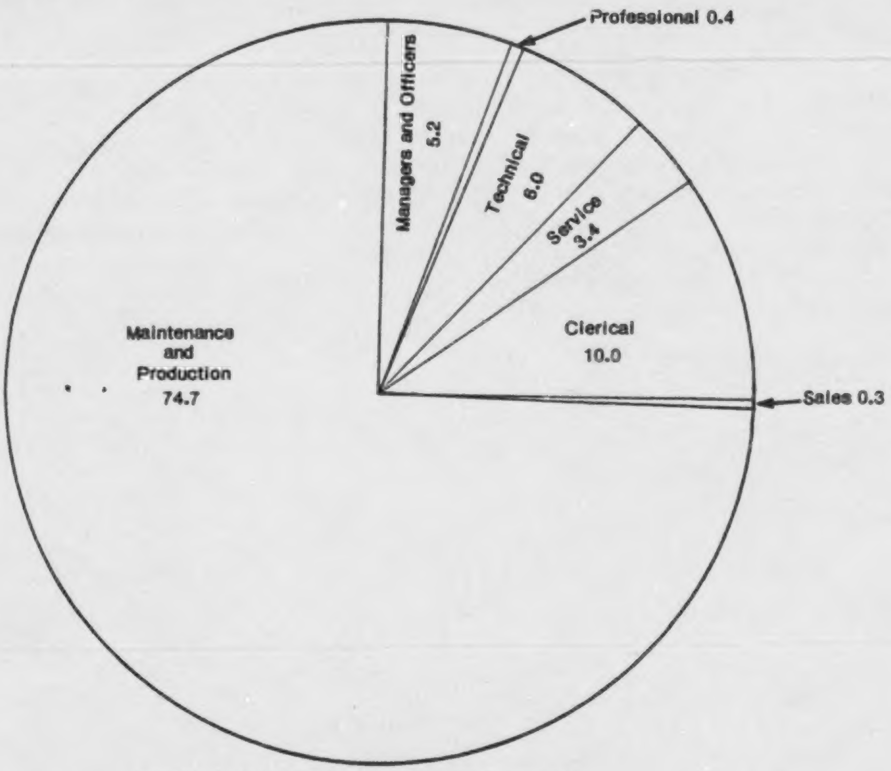
INDUSTRY	JUNE 1982 EMPLOYMENT	PERCENT OF TOTAL
Agriculture	16,744	0.7
Mining	1,114	0.05
Construction	82,943	3.7
Manufacturing	645,750	28.6
Trans., Comm., Util.	117,386	5.2
Wholesale & Retail Trade	585,073	26.0
Fin., Ins., Real Estate	165,456	7.3
Total Services	640,354	28.4
Hospitals & Education	198,970	8.8
Services, Except Hosp. & Ed.	441,384	19.6
Total All Industries	2,254,820	100.0

1/ Excludes government.

LOCAL AND INTERURBAN PASSENGER TRANSIT (SIC 41)

This major group includes establishments primarily engaged in furnishing local and suburban passenger transportation, such as those providing passenger transportation within a single municipality and its suburban areas by bus, rail, or subway, either separately or in combination.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Bus Driver, School	5,700	6.	All Other Service Workers	490
2.	Bus Driver	2,010	7.	Dispatcher, Vehicle, Service or Work	480
3.	Taxi Driver	1,960	8.	Chauffeur	450
4.	Emergency Medical Technician	940	9.	Mechanic, Automotive	350
5.	Managers and Officers	830	10.	Ambulance Driver and/or Attendant	330

These 10 occupations make up 86 percent of total industry employment.

SIC 41

Employment in local and suburban transit and interurban highway and passenger transportation decreased by more than seven percent since 1979. Much of this loss is likely attributable to consolidation brought on by high costs, competition from publicly supplied transportation, the substantial drop in the cost of gasoline and the advent of proposition 2½. It is anticipated that competition from public transportation will continue strong as a result of expansion, replacement of old equipment and increased security. The decline in school enrollments and the continued implementation of proposition 2½, is expected to contribute to a further drop in school bus employment.

The distribution within major occupational categories shows considerable change. Production and maintenance workers declined by more than 2,000. The most significant losses were in taxi drivers, and Bus drivers. Service Worker employment has increased by 12 percent to a total of 950, while clerical employment has dropped by nearly the same amount. The increase in service workers seems to indicate a trend toward making transportation more attractive to potential users. The drop in clerical workers is likely the result of the increased use of computers and other automated equipment.

TABLE
OCCUPATIONS OF EMPLOYEES
LOCAL & SUBURBAN TRANSIT AND INTERURBAN HIGHWAY PASSENGER TRANSPORTATION
SIC = 41
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	15,860	100.00	N/A
MANAGERS AND OFFICERS	830	5.23	6
PROFESSIONAL OCCUPATIONS	70	0.44	N/A
PURCHASING AGENT AND/OR BUYER	10	0.06	46
ACCOUNTANTS AND AUDITORS	50	0.32	31
ALL OTHER PROFESSIONAL WORKERS	10	0.06	N/A
TECHNICAL OCCUPATIONS	950	5.99	N/A
EMERGENCY MEDICAL TECHNICIAN	940	5.93	35
ALL OTHER TECHNICIANS	10	0.06	N/A
SERVICE WORKERS	530	3.34	N/A
JANITORS, PORTERS, AND CLEANERS	20	0.13	34
GUARDS AND DOORKEEPERS	10	0.06	35
BAGGAGE PORTER, TRANSPORTATION	10	0.06	22
ALL OTHER SERVICE WORKERS	490	3.09	N/A
PRODUCTION AND MAINTENANCE WORKERS	11,810	74.46	N/A
MECHANIC, AUTOMOTIVE	350	2.21	13
AUTOMOTIVE BODY REPAIRER	40	0.25	27
DIESEL MECHANIC	170	1.07	31
ALL OTHER MECHANICS AND REPAIRERS	20	0.13	N/A
BAGGAGE HANDLER	30	0.19	28
BUS DRIVER	2,010	12.67	19
CLEANER, VEHICLE	160	1.01	20
SUPERVISOR, NONWORKING	70	0.44	44
MAINTENANCE REPAIRER, GENERAL UTILITY	30	0.19	28
HELPER, TRADES	50	0.32	36
OILER	10	0.06	17
TAXI DRIVER	1,960	12.36	9
SERVICE STATION OR FUEL PUMP ATTENDANT	30	0.19	24
TIRE CHANGER	10	0.06	29
CHAUFFEUR	450	2.84	51
BUS DRIVER, SCHOOL	5,770	36.38	6
AMBULANCE DRIVER AND/OR ATTENDANT	330	2.08	44
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	200	1.26	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	120	0.76	N/A
CLERICAL OCCUPATIONS	1,620	10.21	N/A
ACCOUNTING CLERK	40	0.25	27
RESERVATION AGENT	20	0.13	46
BOOKKEEPER, HAND	80	0.50	28
GENERAL OFFICE CLERK	320	2.02	15
INFORMATION CLERK	30	0.19	36

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[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
LOCAL & SUBURBAN TRANSIT AND INTERURBAN HIGHWAY PASSENGER TRANSPORTATION
SIC = 41
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
PAYROLL AND/OR TIMEKEEPING CLERK	50	0.32	35
PERSONNEL CLERK	10	0.06	49
SECRETARY	110	0.69	26
SWITCHBOARD OPERATOR	70	0.44	25
CLERICAL SUPERVISOR, OFFICE OR PLANT	30	0.19	47
ALL OTHER OFFICE CLERICAL WORKERS	260	1.64	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	10	0.06	29
METER READER, TAXI OR BUS	10	0.06	37
DISPATCHER, VEHICLE, SERVICE OR WORK	480	3.03	17
DISPATCHER, POLICE, FIRE AND AMBULANCE	100	0.63	46
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	50	0.32	N/A

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[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
LOCAL & SUBURBAN PASSENGER TRANSPORTATION
SIC = 411
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	3,960	100.00	N/A
MANAGERS AND OFFICERS	230	5.81	15
PROFESSIONAL OCCUPATIONS	40	1.01	N/A
ACCOUNTANTS AND AUDITORS	20	0.51	36
ALL OTHER PROFESSIONAL WORKERS	20	0.51	N/A
ALL OTHER PROFESSIONAL WORKERS	20	0.51	N/A
EMERGENCY MEDICAL TECHNICIAN	940	23.74	35
SERVICE WORKERS	50	1.26	N/A
PRODUCTION AND MAINTENANCE WORKERS	60	1.52	43
ALL OTHER MECHANICS AND REPAIRERS	10	0.25	N/A
BUS DRIVER	940	23.74	36
CLEANER, VEHICLE	90	2.27	34
AMBULANCE DRIVER AND/OR ATTENDANT	330	8.33	44
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	10	0.25	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	590	14.90	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	20	0.51	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	590	14.90	N/A
CLERICAL OCCUPATIONS	30	0.76	36
BOOKKEEPER, HAND	30	0.76	44
GENERAL OFFICE CLERK	120	3.03	29
INFORMATION CLERK	20	0.51	48
PAYROLL AND/OR TIMEKEEPING CLERK	30	0.76	31
SECRETARY	20	0.51	34
ALL OTHER OFFICE CLERICAL WORKERS	100	2.53	N/A
DISPATCHER, VEHICLE, SERVICE OR WORK	60	1.52	37
DISPATCHER, POLICE, FIRE AND AMBULANCE	100	2.53	48
ALL OTHER PLANT CLERICAL WORKERS	10	0.25	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	30	0.76	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
TAXICABS
SIC = 412
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT NUMBER[1]	EMPLOYMENT PERCENT OF TOTAL	EMPLOYMENT RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	3,270	100.00	N/A
MANAGERS AND OFFICERS	150	4.59	17
PROFESSIONAL OCCUPATIONS	20	0.61	N/A
SERVICE WORKERS	60	1.83	N/A
GUARDS AND DOORKEEPERS	10	0.31	40
SCHOOL AND/OR SCHOOL BUS MONITOR	50	1.53	41
PRODUCTION AND MAINTENANCE WORKERS	2,460	75.23	N/A
MECHANIC, AUTOMOTIVE	90	2.75	17
AUTOMOTIVE BODY REPAIRER	30	0.92	37
TRUCK DRIVER	40	1.22	42
CLEANER, VEHICLE	10	0.31	24
SUPERVISOR, NONWORKING	40	1.22	N/A
HELPER, TRADES	10	0.31	41
TAXI DRIVER	1,960	59.94	9
SERVICE STATION OR FUEL PUMP ATTENDANT	10	0.31	40
BUS DRIVER, SCHOOL	150	4.59	41
ALL OTHER LABORERS AND UNSKILLED WORKERS	120	3.67	N/A
CLERICAL OCCUPATIONS	570	17.43	N/A
CASHIER	20	0.61	41
GENERAL OFFICE CLERK	50	1.53	27
ALL OTHER OFFICE CLERICAL WORKERS	120	3.67	N/A
METER READER, TAXI OR BUS	10	0.31	40
DISPATCHER, VEHICLE, SERVICE OR WORK	370	11.31	22
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	10	0.31	N/A

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[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

# TABLE
# OCCUPATIONS OF EMPLOYEES
# INTERCITY AND RURAL HIGHWAY PASSENGER TRANSPORTATION
SIC = 413
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	990	100.00	N/A
MANAGERS AND OFFICERS	30	3.03	10
PROFESSIONAL OCCUPATIONS	10	1.01	N/A
SERVICE WORKERS	30	3.03	N/A
JANITORS, PORTERS, AND CLEANERS	10	1.01	17
SUPERVISOR, NONWORKING--SERVICE ONLY	10	1.01	27
BAGGAGE PORTER, TRANSPORTATION	10	1.01	22
PRODUCTION AND MAINTENANCE WORKERS	770	77.78	N/A
MECHANIC, AUTOMOTIVE	30	3.03	26
DIESEL MECHANIC	30	3.03	17
BAGGAGE HANDLER	30	3.03	28
BUS DRIVER	490	49.49	7
CLEANER, VEHICLE	30	3.03	7
SUPERVISOR, NONWORKING	10	1.01	14
MAINTENANCE REPAIRER, GENERAL UTILITY	10	1.01	30
BUS DRIVER, SCHOOL	140	14.14	37
CLERICAL OCCUPATIONS	130	13.13	N/A
RESERVATION AGENT	10	1.01	30
GENERAL OFFICE CLERK	30	3.03	36
SECRETARY	10	1.01	22
SWITCHBOARD OPERATOR	10	1.01	37
TICKET AGENT	30	3.03	23
CLERICAL SUPERVISOR, OFFICE OR PLANT	10	1.01	45
ALL OTHER OFFICE CLERICAL WORKERS	10	1.01	N/A
DISPATCHER, VEHICLE, SERVICE OR WORK	20	2.02	N/A
SALES OCCUPATIONS	20	2.02	N/A
TRAFFIC AGENT	10	1.01	N/A
ALL OTHER SALES AGENTS, ASSOCIATES OR REPS.	10	1.01	28

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
SCHOOL BUSES
SIC = 415
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	6,530	100.00	N/A
MANAGERS AND OFFICERS	280	4.29	9
ACCOUNTANTS AND AUDITORS	10	0.15	29
SCHOOL AND/OR SCHOOL BUS MONITOR	390	5.97	N/A
PRODUCTION AND MAINTENANCE WORKERS	5,620	86.06	N/A
MECHANIC, AUTOMOTIVE	150	2.30	13
AUTOMOTIVE BODY REPAIRER	10	0.15	N/A
DIESEL MECHANIC	40	0.61	31
ALL OTHER MECHANICS AND REPAIRERS	20	0.31	N/A
BUS DRIVER	370	5.67	25
CLEANER, VEHICLE	30	0.46	22
SUPERVISOR, NONWORKING	10	0.15	27
MAINTENANCE REPAIRER, GENERAL UTILITY	10	0.15	47
HELPER, TRADES	30	0.46	15
BUS DRIVER, SCHOOL	4,940	75.65	5
ALL OTHER LABORERS AND UNSKILLED WORKERS	10	0.15	N/A
CLERICAL OCCUPATIONS	220	3.37	N/A
ACCOUNTING CLERK	10	0.15	31
BOOKKEEPER, HAND	10	0.15	22
GENERAL OFFICE CLERK	70	1.07	23
PAYROLL AND/OR TIMEKEEPING CLERK	10	0.15	25
SECRETARY	30	0.46	27
TICKET AGENT	10	0.15	39
ALL OTHER OFFICE CLERICAL WORKERS	30	0.46	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	10	0.15	35
DISPATCHER, VEHICLE, SERVICE OR WORK	40	0.61	25
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	10	0.15	N/A

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[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
PUBLIC WAREHOUSING
SIC = 422
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT NUMBER[1]	EMPLOYMENT PERCENT OF TOTAL	EMPLOYMENT RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	2,450	100.00	N/A
MANAGERS AND OFFICERS	260	10.61	8
PROFESSIONAL OCCUPATIONS	30	1.22	N/A
ACCOUNTANTS AND AUDITORS	20	0.82	27
ALL OTHER PROFESSIONAL WORKERS	10	0.41	N/A
TECHNICAL OCCUPATIONS	10	0.41	N/A
SERVICE WORKERS	70	2.86	N/A
JANITORS, PORTERS, AND CLEANERS	40	1.63	25
SUPERVISOR, NONWORKING--SERVICE ONLY	20	0.82	35
ALL OTHER SERVICE WORKERS	10	0.41	N/A
PRODUCTION AND MAINTENANCE WORKERS	1,070	43.67	N/A
ALL OTHER MECHANICS AND REPAIRERS	20	0.82	N/A
TRUCK DRIVER, LIGHT	20	0.82	39
SUPERVISOR, NONWORKING	100	4.08	18
INDUSTRIAL TRUCK OPERATOR	290	11.84	16
INSPECTOR	10	0.41	28
MAINTENANCE REPAIRER, GENERAL UTILITY	50	2.04	20
HELPER, TRADES	10	0.41	29
ORDER FILLER	10	0.41	N/A
WELDER AND/OR FLAMECUTTER	10	0.41	N/A
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	30	1.22	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	40	1.63	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	480	19.59	N/A
CLERICAL OCCUPATIONS	970	39.59	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	50	2.04	37
COMPUTER OPERATOR	10	0.41	32
PERIPHERAL EDP EQUIPMENT OPERATOR	10	0.41	N/A
ACCOUNTING CLERK	50	2.04	20
BOOKKEEPER, HAND	40	1.63	30
GENERAL OFFICE CLERK	130	5.31	18
SECRETARY	30	1.22	24
SWITCHBOARD OPERATOR/RECEPTIONIST	10	0.41	20
CLERICAL SUPERVISOR, OFFICE OR PLANT	10	0.41	25
ALL OTHER OFFICE CLERICAL WORKERS	20	0.82	N/A

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[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
PUBLIC WAREHOUSING
SIC = 422
REFERENCE DATE JUNE 1982

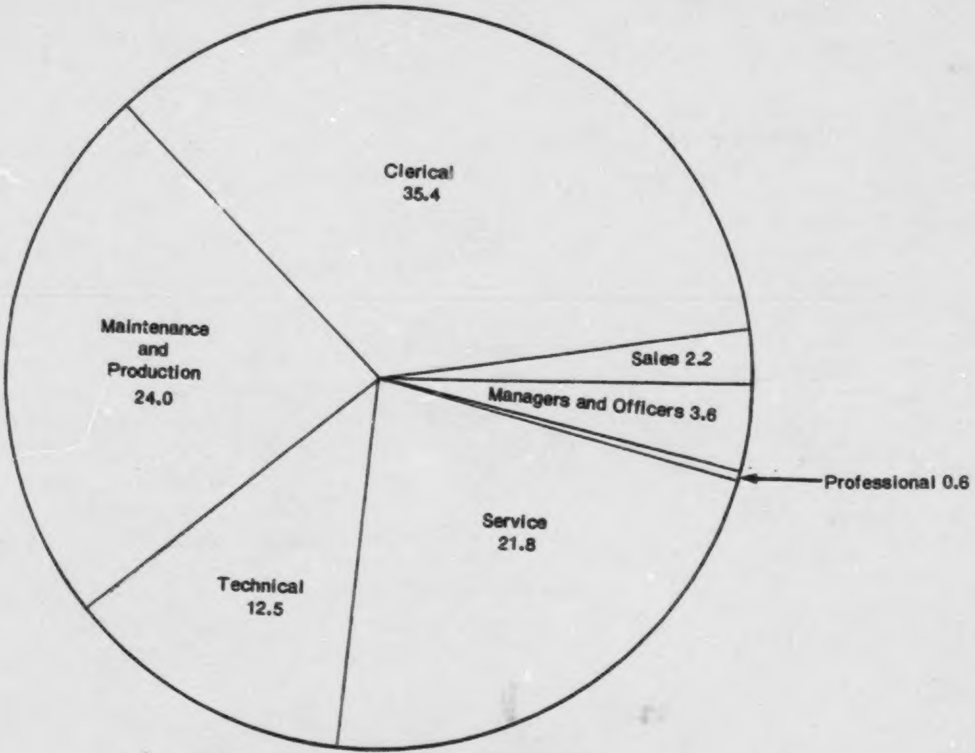
OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
SHIPPING PACKER	220	8.98	27
SHIPPING AND/OR RECEIVING CLERK	100	4.08	23
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	260	10.61	26
DISPATCHER, VEHICLE, SERVICE OR WORK	20	0.82	31
RATE CLERK, FREIGHT	10	0.41	50
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	40	1.63	N/A

1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TRANSPORTATION BY AIR (SIC 45)

This major group includes establishments engaged in furnishing domestic and foreign transportation by air and also those operating airports and flying fields and furnishing terminal services.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Flight Attendant	1,560	6.	Mechanic, Aircraft	500
2.	Ticket Agent	1,330	7.	Transportation Agent	370
3.	Reservation Agent	990	8.	Flight Engineer	280
4.	Line Service Attendant	860	9.	Cleaner, Vehicle	180
5.	Airplane Pilot	830	10.	Sales Representative	150

These 10 occupations make up 78 percent of total industry employment.

SIC 45

Following the enactment of the Air Deregulation Act in October 1978, employment in air transportation peaked at 10,230 in June 1980 and has since decreased by 11.5 percent (1,180 workers). This decrease was expected because of the increased competition spawned by this legislation. One major carrier went out of business while another cut back employment by more than 40 percent (500 workers). Meanwhile, four new commuter carriers were formed in response to deregulations and began servicing Boston in 1981, as well as Air Florida. Their combined employment of less than 100 workers did little to offset the decline in employment elsewhere

The importance of air transportation to both passenger and freight service in New England is demonstrated by the growth of Logan International Airport to the 15th busiest in the world. Expansion continues with Massport's start of construction of a 70 acre air freight complex on adjacent land, to serve the new Massachusetts Technology Center.

The results of this survey show some major changes have occurred in the occupational structure of the industry since our last survey. Most notable are drops of 480 airline pilots, 510 aircraft mechanics and 170 reservation agents. Although there has been a reduction in the number of flights since the air traffic controllers' dispute, this and the overall employment decline do not fully explain the dramatic changes in these occupations. Another possible explanation could be changes (or differences) in the designation of home base of these employees that travel. Although the number of pilots and stewardesses originating flights in Boston may not have changed, their home base designation, and therefore their payroll location, may have caused a "drop" in employment.

TABLE
OCCUPATIONS OF EMPLOYEES
TRANSPORTATION BY AIR
SIC = 45
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	9,050	100.00	N/A
MANAGERS AND OFFICERS	330	3.65	8
PROFESSIONAL OCCUPATIONS	50	0.55	N/A
TEACHER AND/OR INSTR., VOC. ED. OR TRAINING	20	0.22	43
ACCOUNTANTS AND AUDITORS	10	0.11	29
ALL OTHER PROFESSIONAL WORKERS	20	0.22	N/A
TECHNICAL OCCUPATIONS	1,130	12.49	N/A
ELECTRICAL AND ELECTRONIC TECHNICIANS	10	0.11	44
FLIGHT ENGINEER	280	3.09	41
AIRPLANE PILOT	830	9.17	14
ALL OTHER TECHNICIANS	10	0.11	N/A
SERVICE WORKERS	1,970	21.77	N/A
JANITORS, PORTERS, AND CLEANERS	100	1.10	22
FOOD SERVICE WORKERS	130	1.44	33
FLIGHT ATTENDANTS	1,560	17.24	4
SUPERVISOR, NONWORKING--SERVICE ONLY	100	1.10	22
BAGGAGE PORTER, TRANSPORTATION	80	0.88	9
PRODUCTION AND MAINTENANCE WORKERS	2,170	23.98	N/A
MECHANIC, AIRCRAFT	500	5.52	23
MECHANIC, AUTOMOTIVE	100	1.10	9
RADIO MECHANIC	50	0.55	30
ALL OTHER MECHANICS AND REPAIRERS	10	0.11	N/A
TRUCK DRIVER	70	0.77	34
BAGGAGE HANDLER	80	0.88	22
CLEANER, VEHICLE	180	1.99	27
DELIVERY AND/OR ROUTE WORKER	40	0.44	46
SUPERVISOR, NONWORKING	140	1.55	17
INDUSTRIAL TRUCK OPERATOR	20	0.22	46
MAINTENANCE REPAIRER, GENERAL UTILITY	70	0.77	27
LINE SERVICE ATTENDANT	860	9.50	12
ALL OTHER LABORERS AND UNSKILLED WORKERS	50	0.55	N/A
CLERICAL OCCUPATIONS	3,200	35.36	N/A
PERIPHERAL EDP EQUIPMENT OPERATOR	10	0.11	20
ALL OTHER OFFICE MACHINE OPERATORS	10	0.11	N/A
STENOGRAPHER	10	0.11	42
ACCOUNTING CLERK	40	0.44	15
RESERVATION AGENT	990	10.94	4
BOOKKEEPER, HAND	10	0.11	32
GENERAL OFFICE CLERK	70	0.77	27
PAYROLL AND/OR TIMEKEEPING CLERK	20	0.22	24

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1 - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
TRANSPORTATION BY AIR
SIC = 45
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
SECRETARY	100	1.10	15
TICKET AGENT	1,330	14.70	15
TYPIST	10	0.11	40
CLERICAL SUPERVISOR, OFFICE OR PLANT	100	1.10	34
ALL OTHER OFFICE CLERICAL WORKERS	20	0.22	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	60	0.66	20
DISPATCHER, AIRPLANE	20	0.22	36
CREW SCHEDULER	30	0.33	19
TRANSPORTATION AGENT	370	4.09	17
SALES OCCUPATIONS	200	2.21	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	150	1.66	17
SALES CLERK	50	0.55	34

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[1] - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
AIR TRANSPORTATION, CERTIFIED CARRIER
SIC = 451
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	7,770	100.00	N/A
MANAGERS AND OFFICERS	190	2.45	7
PROFESSIONAL OCCUPATIONS	50	0.64	N/A
TEACHER AND/OR INSTR., VOC. ED. OR TRAINING	20	0.26	43
ACCOUNTANTS AND AUDITORS	10	0.13	32
ALL OTHER PROFESSIONAL WORKERS	20	0.26	N/A
TECHNICAL OCCUPATIONS	1,040	13.38	N/A
ELECTRICAL AND ELECTRONIC TECHNICIANS	10	0.13	44
FLIGHT ENGINEER	280	3.60	41
AIRPLANE PILOT	740	9.52	15
ALL OTHER TECHNICIANS	10	0.13	N/A
SERVICE WORKERS	1,960	25.23	N/A
JANITORS, PORTERS, AND CLEANERS	90	1.16	23
FOOD SERVICE WORKERS	130	1.67	39
FLIGHT ATTENDANTS	1,560	20.08	4
SUPERVISOR, NONWORKING--SERVICE ONLY	100	1.29	22
BAGGAGE PORTER, TRANSPORTATION	80	1.03	9
PRODUCTION AND MAINTENANCE WORKERS	1,470	18.92	N/A
MECHANIC, AIRCRAFT	390	5.02	28
MECHANIC, AUTOMOTIVE	90	1.16	10
RADIO MECHANIC	40	0.51	33
ALL OTHER MECHANICS AND REPAIRERS	10	0.13	31
TRUCK DRIVER	20	0.26	N/A
BAGGAGE HANDLER	50	0.64	13
CLEANER, VEHICLE	160	2.06	30
SUPERVISOR, NONWORKING	130	1.67	19
MAINTENANCE REPAIRER, GENERAL UTILITY	40	0.51	7
LINE SERVICE ATTENDANT	530	6.82	13
ALL OTHER LABORERS AND UNSKILLED WORKERS	10	0.13	N/A
CLERICAL OCCUPATIONS	2,940	37.84	N/A
ALL OTHER OFFICE MACHINE OPERATORS	10	0.13	N/A
STENOGRAPHER	10	0.13	42
ACCOUNTING CLERK	20	0.26	14
RESERVATION AGENT	980	12.61	4
SECRETARY	70	0.90	21
TICKET AGENT	1,330	17.12	15
TYPIST	10	0.13	40
CLERICAL SUPERVISOR, OFFICE OR PLANT	90	1.16	37
ALL OTHER OFFICE CLERICAL WORKERS	40	0.51	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	60	0.77	21

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
AIR TRANSPORTATION, CERTIFIED CARRIER
SIC = 451
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
DISPATCHER, AIRPLANE	20	0.26	36
CREW SCHEDULER	30	0.39	19
TRANSPORTATION AGENT	270	3.47	21
SALES OCCUPATIONS	120	1.54	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	100	1.29	23
SALES CLERK	20	0.26	43

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
FIXED FACILITIES AND SERVICES RELATED TO AIR TRANSPORTATION
SIC = 458
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	990	100.00	N/A
MANAGERS AND OFFICERS	110	11.11	14
AIRPLANE PILOT	50	5.05	34
SERVICE WORKERS	10	1.01	N/A
PRODUCTION AND MAINTENANCE WORKERS	510	51.52	N/A
ALL OTHER MECHANICS AND REPAIRERS	100	10.10	N/A
CLEANER, VEHICLE	20	2.02	23
LINE SERVICE ATTENDANT	180	18.18	34
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	120	12.12	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	90	9.09	N/A
CLERICAL OCCUPATIONS	250	25.25	N/A
PERIPHERAL EDP EQUIPMENT OPERATOR	10	1.01	20
ALL OTHER OFFICE MACHINE OPERATORS	10	1.01	N/A
ACCOUNTING CLERK	20	2.02	21
GENERAL OFFICE CLERK	50	5.05	22
PAYROLL AND/OR TIMEKEEPING CLERK	20	2.02	28
SECRETARY	30	3.03	20
CLERICAL SUPERVISOR, OFFICE OR PLANT	10	1.01	22
ALL OTHER OFFICE CLERICAL WORKERS	10	1.01	N/A
TRANSPORTATION AGENT	80	8.08	28
ALL OTHER PLANT CLERICAL WORKERS	10	1.01	N/A
ALL OTHER PLANT CLERICAL WORKERS	10	1.01	N/A
SALES OCCUPATIONS	60	6.06	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	30	3.03	20
SALES CLERK	30	3.03	N/A

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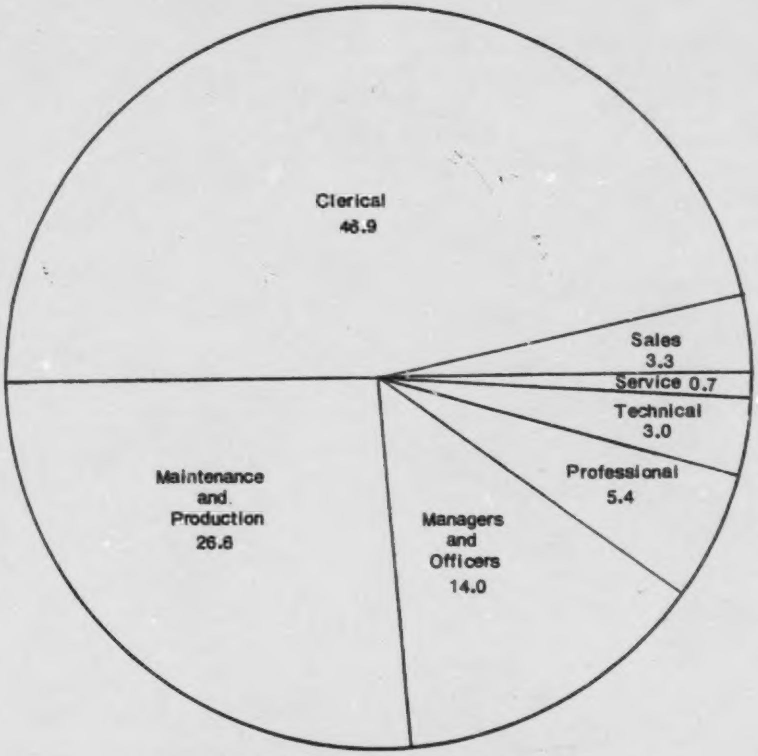
1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

CUMMUNICATION (SIC 48)

These major group includes establishments furnishing point-to-point communication services by wire or radio for rural or visual reception; and radio and television broadcasting. Service for the exchange or recording of messages are included also.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Managers and Officers	5,390	6.	Supervisor, Nonworking	2,050
2.	Central Officer Operator	3,820	7.	All Other Office Clerical Workers	1,740
3.	General Clerk, Office	3,600	8.	Customer Service Representative	1,610
4.	Clerical Supervisor	3,240	9.	Central Officer Repairer	1,390
5.	Station Installer	2,970	10.	Production Clerk/Coordinator	1,160

These 10 occupations make up 70 percent of total industry employment.

SIC 48

This major group includes telephone and telegraph communication, radio and television broadcasting, and miscellaneous communication services. Telephone communication dominates this group with over 80 percent of the employment. While little change has occurred in industry employment during the past three years (less than 2 percent growth), concern exists for the future with deregulation of the industry taking place in January 1984. Since one company dominates this industry and will continue to do so for the foreseeable future, deregulating telephone communications should not affect employment in the short run in the same way deregulation affected employment in both the trucking and airlines industries. By 1990, however, our industry projections anticipate a 10 percent decline in employment due to increased automation coupled with lack of replacement for normal attrition.

The greatest growth in this industry group will occur in cable television located in SIC 489. Employment has grown rapidly between 1979 and 1982. Further expansion should continue since many large urban areas have yet to be serviced by cable. Opportunities will exist for electrical and electronic engineers and engineering technicians, as well as line installer-repairers, clerical workers and sales agents.

TABLE
OCCUPATIONS OF EMPLOYEES
COMMUNICATION
SIC = 48
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	38,440	100.00	N/A
MANAGERS AND OFFICERS	5,390	14.02	1
PROFESSIONAL OCCUPATIONS	2,080	5.41	N/A
ELECTRICAL AND ELECTRONIC ENGINEERS	190	0.49	26
SYSTEMS ANALYST, ELECTRONIC DATA PROCESSING	140	0.36	1
PHOTOGRAPHER	40	0.10	47
TELEVISION CAMERA OPERATOR	240	0.62	24
ACCOUNTANTS AND AUDITORS	30	0.08	24
ANNOUNCER, RADIO AND TELEVISION	690	1.80	11
BROADCAST NEWS ANALYST	100	0.26	39
COMMERCIAL ARTIST	40	0.10	22
WRITER AND/OR EDITOR	140	0.36	17
FILM EDITOR	40	0.10	33
LIBRARIAN, PROFESSIONAL	10	0.03	40
PERSONNEL AND LABOR RELATIONS SPECIALISTS	10	0.03	22
PUBLIC RELATIONS PRACTITIONER	30	0.08	24
REPORTERS AND CORRESPONDENTS	260	0.68	19
TECHNICAL DIRECTOR	90	0.23	23
ALL OTHER PROFESSIONAL WORKERS	30	0.08	N/A
TECHNICAL OCCUPATIONS	1,150	2.99	N/A
COMPUTER PROGRAMMER	270	0.70	10
ELECTRICAL AND ELECTRONIC TECHNICIANS	150	0.39	17
BROADCAST TECHNICIAN	670	1.74	22
ALL OTHER ENGINEERING TECHNICIANS	40	0.10	N/A
ALL OTHER TECHNICIANS	20	0.05	N/A
SERVICE WORKERS	270	0.70	N/A
JANITORS, PORTERS, AND CLEANERS	220	0.57	5
FOOD SERVICE WORKERS	10	0.03	N/A
SUPERVISOR, NONWORKING--SERVICE ONLY	30	0.08	N/A
ALL OTHER SERVICE WORKERS	10	0.03	N/A
PRODUCTION AND MAINTENANCE WORKERS	10,240	26.64	N/A
MECHANIC, AUTOMOTIVE	130	0.34	N/A
RADIO MECHANIC	10	0.03	N/A
AUTOMATIC MAINTAINER, TELEGRAPH	10	0.03	N/A
CABLE SPLICER	830	2.16	1
CENTRAL OFFICE REPAIRER	1,390	3.62	N/A
ELECTRICIAN, OFFICE	10	0.03	N/A
SUPERVISOR, NONWORKING	2,050	5.33	1
INSPECTOR	80	0.21	N/A
INSTALLER REPAIRER AND/OR SECTION MAINTAINER	1,050	2.73	8
LINE INSTALLER-REPAIRER	410	1.07	8

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[1] - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
COMMUNICATION
SIC = 48
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
PAINTER, MAINTENANCE	20	0.05	42
STATION INSTALLER	2,970	7.73	N/A
STATIONARY ENGINEER	110	0.29	N/A
TELEGRAPH EQUIPMENT MAINTAINER	50	0.13	7
TELEGRAPH PLANT MAINTAINER	10	0.03	N/A
TROUBLE LOCATOR, TEST DESK	1,030	2.68	N/A
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	20	0.05	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	50	0.13	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	10	0.03	N/A
CLERICAL OCCUPATIONS	18,030	46.90	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	20	0.05	30
COMPUTER OPERATOR	20	0.05	47
ALL OTHER OFFICE MACHINE OPERATORS	10	0.03	N/A
ACCOUNTING CLERK	980	2.55	2
BOOKKEEPER, HAND	50	0.13	27
ADJUSTMENT CLERK	120	0.31	1
CASHIER	20	0.05	28
COLLECTOR	70	0.18	14
GENERAL OFFICE CLERK	3,600	9.37	3
PAYROLL AND/OR TIMEKEEPING CLERK	20	0.05	24
PERSONNEL CLERK	10	0.03	24
PRIVATE BRANCH SERVICE ADVISOR	10	0.03	N/A
RECEPTIONIST	20	0.05	28
SECRETARY	290	0.75	10
SWITCHBOARD OPERATOR	10	0.03	33
SWITCHBOARD OPERATOR/RECEPTIONIST	20	0.05	29
TRAFFIC CLERK	160	0.42	9
TYPIST	50	0.13	17
CLERICAL SUPERVISOR, OFFICE OR PLANT	3,240	8.43	1
CENTRAL OFFICE OPERATOR	3,820	9.94	N/A
CUSTOMER SERVICE REPRESENTATIVE	1,610	4.19	3
ALL OTHER OFFICE CLERICAL WORKERS	1,740	4.53	N/A
PRODUCTION CLERK AND/OR COORDINATOR	1,160	3.02	3
SHIPPING AND/OR RECEIVING CLERK	10	0.03	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	370	0.96	1
DISPATCHER, VEHICLE, SERVICE OR WORK	10	0.03	34
ALL OTHER PLANT CLERICAL WORKERS	590	1.53	N/A
SALES OCCUPATIONS	1,280	3.33	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	900	2.34	10
SALES CLERK	380	0.99	1

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
TELEPHONE COMMUNICATION (WIRE AND RADIO)
SIC = 481
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	31,680	100.00	N/A
MANAGERS AND OFFICERS	4,250	13.42	N/A
PROFESSIONAL OCCUPATIONS	150	0.47	N/A
SYSTEMS ANALYST, ELECTRONIC DATA PROCESSING	140	0.44	N/A
ALL OTHER PROFESSIONAL WORKERS	10	0.03	N/A
COMPUTER PROGRAMMER	220	0.69	N/A
SERVICE WORKERS	240	0.76	N/A
JANITORS, PORTERS, AND CLEANERS	190	0.60	N/A
FOOD SERVICE WORKERS	10	0.03	N/A
SUPERVISOR, NONWORKING--SERVICE ONLY	30	0.09	N/A
ALL OTHER SERVICE WORKERS	10	0.03	N/A
PRODUCTION AND MAINTENANCE WORKERS	9,720	30.68	N/A
MECHANIC, AUTOMOTIVE	130	0.41	N/A
CABLE SPLICER	830	2.62	N/A
CENTRAL OFFICE REPAIRER	1,380	4.36	N/A
SUPERVISOR, NONWORKING	2,040	6.44	N/A
INSPECTOR	80	0.25	N/A
INSTALLER REPAIRER AND/OR SECTION MAINTAINER	890	2.81	N/A
LINE INSTALLER-REPAIRER	270	0.85	N/A
STATION INSTALLER	2,970	9.38	N/A
STATIONARY ENGINEER	110	0.35	N/A
TROUBLE LOCATOR, TEST DESK	1,020	3.22	N/A
CLERICAL OCCUPATIONS	16,550	52.24	N/A
ACCOUNTING CLERK	900	2.84	N/A
ADJUSTMENT CLERK	120	0.38	N/A
COLLECTOR	40	0.13	N/A
GENERAL OFFICE CLERK	3,300	10.42	N/A
PRIVATE BRANCH SERVICE ADVISOR	10	0.03	N/A
TYPIST	30	0.09	N/A
CLERICAL SUPERVISOR, OFFICE OR PLANT	3,190	10.07	N/A
CENTRAL OFFICE OPERATOR	3,790	11.96	N/A
CUSTOMER SERVICE REPRESENTATIVE	1,540	4.86	N/A
ALL OTHER OFFICE CLERICAL WORKERS	1,620	5.11	N/A
PRODUCTION CLERK AND/OR COORDINATOR	1,080	3.41	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	360	1.14	N/A
ALL OTHER PLANT CLERICAL WORKERS	570	1.80	N/A
SALES OCCUPATIONS	550	1.74	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	170	0.54	N/A
SALES CLERK	380	1.20	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
COMMUNICATION SERVICES, NOT ELSEWHERE CLASSIFIED
SIC = 489
REFERENCE DATE JUNE 1982

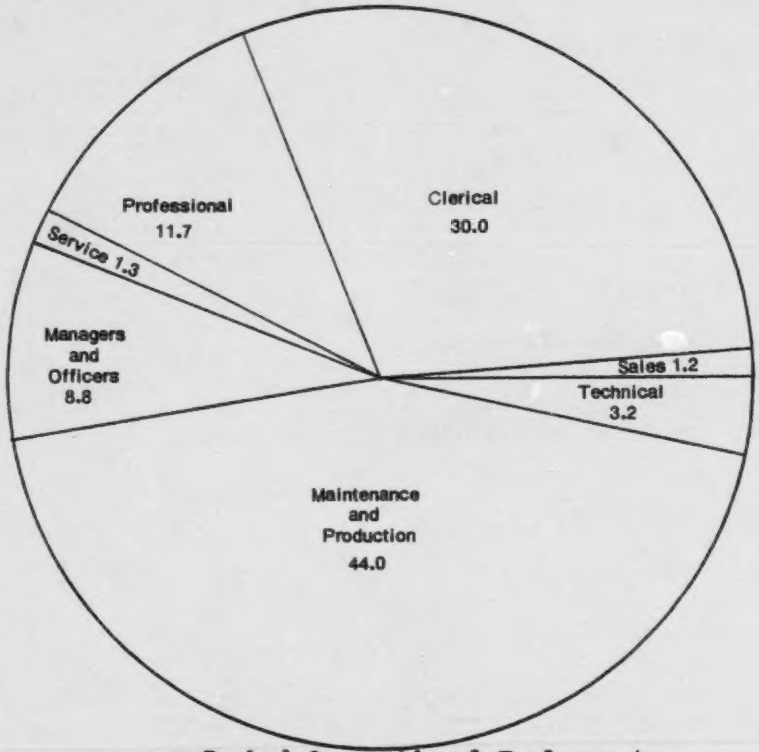
OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	1,360	100.00	N/A
MANAGERS AND OFFICERS	270	19.85	10
PROFESSIONAL OCCUPATIONS	160	11.76	N/A
ELECTRICAL AND ELECTRONIC ENGINEERS	90	6.62	49
ACCOUNTANTS AND AUDITORS	20	1.47	29
WRITER AND/OR EDITOR	10	0.74	39
ALL OTHER PROFESSIONAL WORKERS	40	2.94	N/A
TECHNICAL OCCUPATIONS	210	15.44	N/A
COMPUTER PROGRAMMER	30	2.21	N/A
ELECTRICAL AND ELECTRONIC TECHNICIANS	130	9.56	18
BROADCAST TECHNICIAN	30	2.21	14
ALL OTHER ENGINEERING TECHNICIANS	20	1.47	N/A
JANITORS, PORTERS, AND CLEANERS	10	0.74	49
PRODUCTION AND MAINTENANCE WORKERS	250	18.38	N/A
SUPERVISOR, NONWORKING	10	0.74	42
LINE INSTALLER-REPAIRER	140	10.29	25
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	100	7.35	N/A
CLERICAL OCCUPATIONS	370	27.21	N/A
ALL OTHER OFFICE MACHINE OPERATORS	10	0.74	N/A
ACCOUNTING CLERK	20	1.47	25
BOOKKEEPER, HAND	20	1.47	33
CASHIER	10	0.74	32
GENERAL OFFICE CLERK	120	8.82	25
SECRETARY	70	5.15	20
TYPIST	10	0.74	44
ALL OTHER OFFICE CLERICAL WORKERS	80	5.88	N/A
SHIPPING AND/OR RECEIVING CLERK	10	0.74	41
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	10	0.74	49
ALL OTHER PLANT CLERICAL WORKERS	10	0.74	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	90	6.62	27

1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

ELECTRIC, GAS, AND SANITARY SERVICES (SIC 49)

This major group includes establishments engaged in the generation, transmission and or distribution of electricity, gas, or steam. Water and irrigation systems, and sanitary systems engaged in the collection and disposal of garbage, sewage, and other wastes are included also.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Line Installer/Repairer	1,590
2.	Managers and Officers	1,580
3.	All Other Mechanics and Repairers	1,240
4.	General Clerk, Office	1,100
5.	All Other Professional Workers	1,050
6.	All Other Office Clerical Workers	910
7.	Meter Reader, Utilities	840
8.	Customer Service Representative	710
9.	All Other Skilled Workers	670
10.	Maintenance Repairer, General Utility	660

These 10 occupations make up 57 percent of total industry employment.

SIC 49

Employment in the electric, gas and sanitary industry increased slightly since 1979. With the increase in the demand for energy, the conversion to coal in many cases and the constraints of environmental legislation, a sharper increase would have been expected.

The occupational group, managers and officers shows a twenty-three percent decrease. This has dropped the ratio of management to total employment from one in nine, to one in eleven.

Professional employment has grown by more than fifteen percent, which is most likely attributable to the technological advances in the industry.

With the exception of clerical occupations all other major categories show a decrease in employment. Within the clerical group the single largest increase in the number of meter readers.

TABLE
OCCUPATIONS OF EMPLOYEES
ELECTRIC, GAS AND SANITARY SERVICES
SIC = 49
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	18,040	100.00	N/A
MANAGERS AND OFFICERS	1,580	8.76	16
PROFESSIONAL OCCUPATIONS	2,110	11.70	N/A
ELECTRICAL AND ELECTRONIC ENGINEERS	250	1.39	15
MECHANICAL ENGINEER	60	0.33	35
ALL OTHER ENGINEERS	500	2.77	N/A
NATURAL AND MATHEMATICAL SCIENTISTS	30	0.17	26
SYSTEMS ANALYST, ELECTRONIC DATA PROCESSING	150	0.83	21
LAWYER	20	0.11	24
RIGHT-OF-WAY AGENT	50	0.28	30
ALL OTHER PROFESSIONAL WORKERS	1,050	5.82	N/A
TECHNICAL OCCUPATIONS	570	3.16	N/A
DRAFTER	170	0.94	17
ALL OTHER ENGINEERING TECHNICIANS	210	1.16	N/A
ALL OTHER TECHNICIANS	190	1.05	N/A
SERVICE WORKERS	240	1.33	N/A
JANITORS, PORTERS, AND CLEANERS	160	0.89	15
SUPERVISOR, NONWORKING--SERVICE ONLY	40	0.22	29
ALL OTHER SERVICE WORKERS	40	0.22	N/A
PRODUCTION AND MAINTENANCE WORKERS	7,930	43.96	N/A
MECHANIC, AUTOMOTIVE	260	1.44	13
DIESEL MECHANIC	40	0.22	26
ELECTRIC-METER INSTALLER	110	0.61	35
ALL OTHER MECHANICS AND REPAIRERS	1,240	6.87	N/A
TRUCK DRIVER	490	2.72	14
CABLE SPLICER	330	1.83	28
AUXILIARY EQUIPMENT OPERATOR	120	0.67	21
SUPERVISOR, NONWORKING	450	2.49	27
INSTRUMENT REPAIRER	130	0.72	34
LINE INSTALLER-REPAIRER	1,590	8.81	21
MAINTENANCE REPAIRER, GENERAL UTILITY	660	3.66	13
PAINTER, MAINTENANCE	40	0.22	10
PLUMBER AND/OR PIPEFITTER	20	0.11	12
REFUSE COLLECTOR	350	1.94	19
SUBSTATION OPERATOR	180	1.00	8
TROUBLE SHOOTER, POWER LINE	140	0.78	35
WATER TREATMENT PLANT OPERATOR	10	0.06	N/A
WELDER AND/OR FLAMECUTTER	30	0.17	35
DISPATCHER, LOAD	60	0.33	12
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	670	3.71	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	570	3.16	N/A

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1 - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
ELECTRIC, GAS AND SANITARY SERVICES
SIC = 49
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ALL OTHER LABORERS AND UNSKILLED WORKERS	440	2.44	N/A
CLERICAL OCCUPATIONS	5,400	29.93	N/A
ALL OTHER OFFICE MACHINE OPERATORS	260	1.44	N/A
CASHIER	70	0.39	24
COLLECTOR	170	0.94	36
GENERAL OFFICE CLERK	1,100	6.10	12
PAYROLL AND/OR TIMEKEEPING CLERK	70	0.39	26
PERSONNEL CLERK	40	0.22	24
SECRETARY	450	2.49	21
SWITCHBOARD OPERATOR	40	0.22	31
SWITCHBOARD OPERATOR/RECEPTIONIST	40	0.22	35
CLERICAL SUPERVISOR, OFFICE OR PLANT	310	1.72	34
CUSTOMER SERVICE REPRESENTATIVE	710	3.94	32
ALL OTHER OFFICE CLERICAL WORKERS	910	5.04	N/A
METER READER, UTILITIES	840	4.66	19
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	190	1.05	20
ALL OTHER PLANT CLERICAL WORKERS	200	1.11	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	210	1.16	25

1 - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

# TABLE
# OCCUPATIONS OF EMPLOYEES
# ELECTRIC SERVICES
SIC = 491
REFERENCE DATE APRIL 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	10,190	100.00	N/A
MANAGERS AND OFFICERS	730	7.16	12
PROFESSIONAL OCCUPATIONS	1,410	13.84	N/A
CHEMICAL ENGINEER	10	0.10	N/A
ELECTRICAL AND ELECTRONIC ENGINEERS	200	1.96	18
MECHANICAL ENGINEER	30	0.29	14
ALL OTHER ENGINEERS	300	2.94	N/A
NATURAL AND MATHEMATICAL SCIENTISTS	30	0.29	26
SYSTEMS ANALYST, ELECTRONIC DATA PROCESSING	100	0.98	14
PURCHASING AGENT AND/OR BUYER	10	0.10	12
ACCOUNTANTS AND AUDITORS	60	0.59	28
LAWYER	20	0.20	13
RIGHT-OF-WAY AGENT	30	0.29	27
ALL OTHER PROFESSIONAL WORKERS	620	6.08	N/A
TECHNICAL OCCUPATIONS	420	4.12	N/A
DRAFTER	150	1.47	13
ALL OTHER ENGINEERING TECHNICIANS	140	1.37	N/A
SCIENCE TECHNICIANS	10	0.10	N/A
ALL OTHER TECHNICIANS	120	1.18	N/A
SERVICE WORKERS	190	1.86	N/A
JANITORS, PORTERS, AND CLEANERS	140	1.37	15
ALL OTHER SERVICE WORKERS	50	0.49	N/A
PRODUCTION AND MAINTENANCE WORKERS	4,690	46.03	N/A
MECHANIC, AUTOMOTIVE	180	1.77	11
ELECTRIC-METER INSTALLER	90	0.88	38
ALL OTHER MECHANICS AND REPAIRERS	260	2.55	N/A
TRUCK DRIVER	30	0.29	9
CABLE SPLICER	330	3.24	28
CONTROL ROOM OPERATOR, STEAM	80	0.79	18
CRANE, DERRICK, AND HOIST OPERATORS	30	0.29	50
ELECTRICIAN	110	1.08	49
AUXILIARY EQUIPMENT OPERATOR	120	1.18	21
SUPERVISOR, NONWORKING	220	2.16	31
INSPECTOR	20	0.20	43
INSTRUMENT REPAIRER	120	1.18	36
LINE INSTALLER-REPAIRER	1,560	15.31	21
MAINTENANCE REPAIRER, GENERAL UTILITY	540	5.30	15
PAINTER, MAINTENANCE	40	0.39	12
SUBSTATION OPERATOR	180	1.77	8
TROUBLE SHOOTER, POWER LINE	140	1.37	35
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	450	4.42	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
ELECTRIC SERVICES
SIC = 491
REFERENCE DATE APRIL 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ALL OTHER LABORERS AND UNSKILLED WORKERS	190	1.86	N/A
CLERICAL OCCUPATIONS	2,690	26.40	N/A
COMPUTER OPERATOR	10	0.10	13
KEYPUNCH OPERATOR	50	0.49	13
ALL OTHER OFFICE MACHINE OPERATORS	40	0.39	N/A
STENOGRAPHER	20	0.20	46
ACCOUNTING CLERK	40	0.39	30
BOOKKEEPER, HAND	10	0.10	12
ADJUSTMENT CLERK	80	0.79	45
CASHIER	30	0.29	20
COLLECTOR	80	0.79	14
GENERAL OFFICE CLERK	800	7.85	14
PAYROLL AND/OR TIMEKEEPING CLERK	20	0.20	11
PERSONNEL CLERK	30	0.29	7
SECRETARY	180	1.77	13
SWITCHBOARD OPERATOR	30	0.29	36
CLERICAL SUPERVISOR, OFFICE OR PLANT	110	1.08	15
CUSTOMER SERVICE REPRESENTATIVE	220	2.16	20
ALL OTHER OFFICE CLERICAL WORKERS	300	2.94	N/A
METER READER, UTILITIES	480	4.71	16
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	100	0.98	26
DISPATCHER, VEHICLE, SERVICE OR WORK	40	0.39	16
ALL OTHER PLANT CLERICAL WORKERS	20	0.20	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	60	0.59	29

1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
SANITARY SERVICES
SIC = 495
REFERENCE DATE APRIL 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	1,580	100.00	N/A
MANAGERS AND OFFICERS	130	8.23	13
PROFESSIONAL OCCUPATIONS	50	3.16	N/A
ACCOUNTANTS AND AUDITORS	20	1.27	26
ALL OTHER PROFESSIONAL WORKERS	30	1.90	N/A
SUPERVISOR, NONWORKING--SERVICE ONLY	30	1.90	27
PRODUCTION AND MAINTENANCE WORKERS	1,160	73.42	N/A
MECHANIC, AUTOMOTIVE	60	3.80	23
DIESEL MECHANIC	40	2.53	27
MECHANIC, MAINTENANCE	10	0.63	35
TRUCK DRIVER	450	28.48	15
MAINTENANCE REPAIRER, GENERAL UTILITY	60	3.80	27
HELPER, TRADES	30	1.90	27
OILER	10	0.63	28
PAINTER, MAINTENANCE	10	0.63	20
REFUSE COLLECTOR	350	22.15	19
WELDER AND/OR FLAMECUTTER	20	1 27	16
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	10	0.63	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	40	2.53	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	70	4.43	N/A
CLERICAL OCCUPATIONS	160	10.13	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	10	0.63	38
ACCOUNTING CLERK	20	1.27	27
GENERAL OFFICE CLERK	40	2.53	24
SECRETARY	20	1.27	32
ALL OTHER OFFICE CLERICAL WORKERS	30	1.90	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	10	0.63	22
DISPATCHER, VEHICLE, SERVICE OR WORK	20	1.27	19
ALL OTHER PLANT CLERICAL WORKERS	10	0.63	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	50	3.16	18

1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

SIC 50

The major industry group wholesale trade durable goods, SIC 50, was not publishable, however, tables for six of the nine industries in the group do appear in the report. Automotive parts and supplies, SIC 501, and machinery equipment and supplies, SIC 508, comprise over 50 percent of employment in the wholesale trade group, with the latter accounting for 39 percent of the industry group total. Employment in automotive parts and supplies declined since 1979 but should remain fairly constant through 1990. On the other hand employment in machinery equipment and supplies should continue its strong gains of recent years with employment expected to climb over 17 percent during the 80's.

Clerical occupations provide over 30 percent of the employment in the six reported industries with general office clerk and stock clerk having the greatest number of workers. The specific occupation of sales representative is the largest with employment at 10,890 of employment or 21 percent in the six industries.

TABLE
OCCUPATIONS OF EMPLOYEES
AUTOMOTIVE PARTS AND SUPPLIES
SIC = 501
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	8,710	100.00	N/A
MANAGERS AND OFFICERS	1,020	11.71	N/A
MANAGER, MERCHANDISE	600	6.89	10
WHOLESALER	290	3.33	17
ALL OTHER MANAGERS	130	1.49	N/A
PROFESSIONAL OCCUPATIONS	150	1.72	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	80	0.92	24
ACCOUNTANTS AND AUDITORS	60	0.69	25
ALL OTHER PROFESSIONAL WORKERS	10	0.11	N/A
TECHNICAL OCCUPATIONS	160	1.84	N/A
COMPUTER PROGRAMMER	10	0.11	43
ALL OTHER ENGINEERING TECHNICIANS	150	1.72	N/A
SERVICE WORKERS	120	1.38	N/A
JANITORS, PORTERS, AND CLEANERS	70	0.80	29
ALL OTHER SERVICE WORKERS	50	0.57	N/A
PRODUCTION AND MAINTENANCE WORKERS	2,520	28.93	N/A
MECHANIC, AUTOMOTIVE	340	3.90	26
ALL OTHER MECHANICS AND REPAIRERS	70	0.80	N/A
TRUCK DRIVER	190	2.18	33
DELIVERY AND/OR ROUTE WORKER	570	6.54	19
SUPERVISOR, NONWORKING	130	1.49	20
INDUSTRIAL TRUCK OPERATOR	30	0.34	47
MAINTENANCE REPAIRER, GENERAL UTILITY	60	0.69	46
ORDER FILLER	310	3.56	22
TIRE FABRICATOR AND/OR REPAIRER	110	1.26	43
TIRE CHANGER	310	3.56	33
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	10	0.11	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	50	0.57	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	340	3.90	N/A
CLERICAL OCCUPATIONS	2,690	30.88	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	150	1.72	25
COMPUTER OPERATOR	20	0.23	31
KEYPUNCH OPERATOR	10	0.11	44
PERIPHERAL EDP EQUIPMENT OPERATOR	10	0.11	46
ACCOUNTING CLERK	110	1.26	26
BOOKKEEPER, HAND	240	2.76	17
CASHIER	70	0.80	44
GENERAL OFFICE CLERK	390	4.48	17

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1 - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
AUTOMOTIVE PARTS AND SUPPLIES
SIC = 501
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ORDER CLERK	90	1.03	26
SECRETARY	320	3.67	22
SWITCHBOARD OPERATOR/RECEPTIONIST	10	0.11	35
TYPIST	80	0.92	34
CLERICAL SUPERVISOR, OFFICE OR PLANT	150	1.72	22
ALL OTHER OFFICE CLERICAL WORKERS	60	0.69	N/A
SHIPPING PACKER	80	0.92	43
SHIPPING AND/OR RECEIVING CLERK	160	1.84	32
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	730	8.38	20
ALL OTHER PLANT CLERICAL WORKERS	10	0.11	41
SALES OCCUPATIONS	2,050	23.54	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	1,460	16.76	13
SALES CLERK	550	6.31	28
ALL OTHER SALES WORKERS	40	0.46	N/A

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[1] - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
FURNITURE AND HOME FURNISHINGS
SIC = 502
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	3,610	100.00	N/A
MANAGERS AND OFFICERS	380	10.53	N/A
MANAGER, MERCHANDISE	150	4.16	22
WHOLESALER	110	3.05	24
ALL OTHER MANAGERS	120	3.32	N/A
PROFESSIONAL OCCUPATIONS	190	5.26	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	50	1.39	34
ACCOUNTANTS AND AUDITORS	70	1.94	30
ALL OTHER PROFESSIONAL WORKERS	70	1.94	N/A
TECHNICAL OCCUPATIONS	30	0.83	N/A
COMPUTER PROGRAMMER	10	0.28	37
ALL OTHER ENGINEERING TECHNICIANS	20	0.55	N/A
JANITORS, PORTERS, AND CLEANERS	40	1.11	38
PRODUCTION AND MAINTENANCE WORKERS	740	20.50	N/A
ALL OTHER MECHANICS AND REPAIRERS	20	0.55	N/A
TRUCK DRIVER	80	2.22	43
INDUSTRIAL TRUCK OPERATOR	20	0.55	22
MACHINIST	10	0.28	N/A
ORDER FILLER	100	2.77	30
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	60	1.66	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	300	8.31	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	150	4.16	N/A
CLERICAL OCCUPATIONS	1,250	34.63	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	40	1.11	37
ALL OTHER OFFICE MACHINE OPERATORS	50	1.39	N/A
BOOKKEEPER, HAND	100	2.77	35
GENERAL OFFICE CLERK	180	4.99	39
ORDER CLERK	150	4.16	27
SECRETARY	150	4.16	25
TYPIST	60	1.66	32
CLERICAL SUPERVISOR, OFFICE OR PLANT	60	1.66	27
ALL OTHER OFFICE CLERICAL WORKERS	140	3.88	N/A
SHIPPING PACKER	110	3.05	36
SHIPPING AND/OR RECEIVING CLERK	100	2.77	29
ALL OTHER PLANT CLERICAL WORKERS	110	3.05	N/A
SALES OCCUPATIONS	980	27.15	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	890	24.65	11
SALES CLERK	90	2.49	46

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
LUMBER AND OTHER CONSTRUCTION MATERIALS
SIC = 503
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	4,070	100.00	N/A
MANAGERS AND OFFICERS	430	10.57	N/A
MANAGER, MERCHANDISE	140	3.44	13
WHOLESALER	210	5.16	12
ALL OTHER MANAGERS	80	1.97	N/A
PROFESSIONAL OCCUPATIONS	190	4.67	N/A
ELECTRICAL AND ELECTRONIC ENGINEERS	10	0.25	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	120	2.95	18
ACCOUNTANTS AND AUDITORS	60	1.47	28
TECHNICAL OCCUPATIONS	30	0.74	N/A
JANITORS, PORTERS, AND CLEANERS	20	0.49	34
PRODUCTION AND MAINTENANCE WORKERS	1,210	29.73	N/A
MECHANIC, AUTOMOTIVE	20	0.49	49
ALL OTHER MECHANICS AND REPAIRERS	50	1.23	N/A
TRUCK DRIVER	350	8.60	13
DELIVERY AND/OR ROUTE WORKER	110	2.70	34
SUPERVISOR, NONWORKING	50	1.23	35
GLAZIER	100	2.46	28
INDUSTRIAL TRUCK OPERATOR	100	2.46	33
MAINTENANCE REPAIRER, GENERAL UTILITY	40	0.98	41
ORDER FILLER	50	1.23	33
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	90	2.21	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	80	1.97	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	170	4.18	N/A
CLERICAL OCCUPATIONS	1,290	31.70	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	50	1.23	22
COMPUTER OPERATOR	20	0.49	31
KEYPUNCH OPERATOR	10	0.25	N/A
ACCOUNTING CLERK	90	2.21	22
BOOKKEEPER, HAND	120	2.95	15
CASHIER	30	0.74	28
GENERAL OFFICE CLERK	180	4.42	14
ORDER CLERK	90	2.21	23
SECRETARY	130	3.19	14
TYPIST	60	1.47	25
CLERICAL SUPERVISOR, OFFICE OR PLANT	40	0.98	19
ALL OTHER OFFICE CLERICAL WORKERS	30	0.74	N/A
SHIPPING PACKER	120	2.95	24
SHIPPING AND/OR RECEIVING CLERK	60	1.47	20
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	250	6.14	15

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

# TABLE
# OCCUPATIONS OF EMPLOYEES
# LUMBER AND OTHER CONSTRUCTION MATERIALS
SIC = 503
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ALL OTHER PLANT CLERICAL WORKERS	10	0.25	N/A
SALES OCCUPATIONS	900	22.11	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	800	19.66	9
SALES CLERK	100	2.46	23

[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
METALS AND MINERALS EXCEPT PETROLEUM
SIC = 505
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	2,270	100.00	N/A
MANAGERS AND OFFICERS	190	8.37	N/A
MANAGER, MERCHANDISE	220	9.69	29
WHOLESALER	90	3.96	27
ALL OTHER MANAGERS	50	2.20	N/A
PROFESSIONAL OCCUPATIONS	80	3.52	N/A
ALL OTHER ENGINEERS	20	0.88	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	20	0.88	33
ACCOUNTANTS AND AUDITORS	40	1.76	34
DRAFTER	40	1.76	30
JANITORS, PORTERS, AND CLEANERS	10	0.44	44
PRODUCTION AND MAINTENANCE WORKERS	780	34.36	N/A
MECHANIC, AUTOMOTIVE	10	0.44	N/A
TRUCK DRIVER	130	5.73	23
SUPERVISOR, NONWORKING	70	3.08	16
MAINTENANCE REPAIRER, GENERAL UTILITY	10	0.44	25
ORDER FILLER	80	3.52	36
VARIETY SAW OPERATOR	20	0.88	32
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	50	2.20	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	230	10.13	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	180	7.93	N/A
CLERICAL OCCUPATIONS	640	28.19	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	30	1.32	34
KEYPUNCH OPERATOR	10	0.44	29
ACCOUNTING CLERK	40	1.76	38
BOOKKEEPER, HAND	20	0.88	39
GENERAL OFFICE CLERK	100	4.41	26
ORDER CLERK	100	4.41	31
SECRETARY	90	3.96	20
TYPIST	50	2.20	37
CLERICAL SUPERVISOR, OFFICE OR PLANT	30	1.32	43
ALL OTHER OFFICE CLERICAL WORKERS	10	0.44	N/A
SHIPPING PACKER	40	1.76	36
SHIPPING AND/OR RECEIVING CLERK	40	1.76	25
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	80	3.52	32
SALES OCCUPATIONS	530	23.35	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	460	20.26	12
SALES CLERK	70	3.08	32

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
HARDWARE, AND PLUMBING AND HEATING EQUIPMENT AND SUPPLIES
SIC = 507
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	6,040	100.00	N/A
MANAGERS AND OFFICERS	710	11.75	N/A
MANAGER, MERCHANDISE	240	3.97	15
MANAGER, RETAIL STORE	10	0.17	N/A
WHOLESALER	400	6.62	16
ALL OTHER MANAGERS	60	0.99	N/A
PROFESSIONAL OCCUPATIONS	230	3.81	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	150	2.48	24
ACCOUNTANTS AND AUDITORS	60	0.99	29
ALL OTHER PROFESSIONAL WORKERS	20	0.33	N/A
TECHNICAL OCCUPATIONS	40	0.66	N/A
DRAFTER	10	0.17	N/A
ELECTRICAL AND ELECTRONIC TECHNICIANS	30	0.50	41
SERVICE WORKERS	40	0.66	N/A
JANITORS, PORTERS, AND CLEANERS	20	0.33	31
ALL OTHER SERVICE WORKERS	20	0.33	N/A
PRODUCTION AND MAINTENANCE WORKERS	1,660	27.48	N/A
REFRIGERATION &/OR AIR CONDITIONING MECHANIC	230	3.81	44
ALL OTHER MECHANICS AND REPAIRERS	80	1.32	N/A
TRUCK DRIVER	370	6.13	22
DELIVERY AND/OR ROUTE WORKER	190	3.15	29
SUPERVISOR, NONWORKING	50	0.83	32
INDUSTRIAL TRUCK OPERATOR	40	0.66	50
MAINTENANCE REPAIRER, GENERAL UTILITY	160	2.65	45
ORDER FILLER	340	5.63	17
STOCK CLERK, SALES FLOOR	30	0.50	N/A
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	100	1.66	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	30	0.50	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	40	0.66	N/A
CLERICAL OCCUPATIONS	2,000	33.11	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	130	2.15	20
PERIPHERAL EDP EQUIPMENT OPERATOR	10	0.17	N/A
ALL OTHER OFFICE MACHINE OPERATORS	10	0.17	N/A
ACCOUNTING CLERK	70	1.16	22
BOOKKEEPER, HAND	210	3.48	16
CASHIER	60	0.99	20
GENERAL OFFICE CLERK	310	5.13	17
ORDER CLERK	200	3.31	21
SECRETARY	160	2.65	23
TYPIST	80	1.32	27

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
HARDWARE, AND PLUMBING AND HEATING EQUIPMENT AND SUPPLIES
SIC = 507
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
CLERICAL SUPERVISOR, OFFICE OR PLANT	120	1.99	23
ALL OTHER OFFICE CLERICAL WORKERS	30	0.50	N/A
SHIPPING PACKER	200	3.31	21
SHIPPING AND/OR RECEIVING CLERK	210	3.48	20
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	200	3.31	21
SALES OCCUPATIONS	1,360	22.52	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	1,080	17.88	10
SALES CLERK	270	4.47	26
ALL OTHER SALES WORKERS	10	0.17	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
MACHINERY, EQUIPMENT AND SUPPLIES
SIC = 508
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	27,230	100.00	N/A
MANAGERS AND OFFICERS	3,170	11.64	N/A
MANAGER, MERCHANDISE	890	3.27	19
WHOLESALER	1,350	4.96	22
ALL OTHER MANAGERS	930	3.42	N/A
PROFESSIONAL OCCUPATIONS	1,640	6.02	N/A
ALL OTHER ENGINEERS	560	2.06	N/A
ALL OTHER MATHEMATICAL SCIENTISTS	10	0.04	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	360	1.32	32
ACCOUNTANTS AND AUDITORS	340	1.25	24
ALL OTHER PROFESSIONAL WORKERS	370	1.36	N/A
TECHNICAL OCCUPATIONS	2,040	7.49	N/A
DRAFTER	50	0.18	N/A
ELECTRICAL AND ELECTRONIC TECHNICIANS	1,640	6.02	27
ALL OTHER TECHNICIANS	350	1.29	N/A
SERVICE WORKERS	170	0.62	N/A
PRODUCTION AND MAINTENANCE WORKERS	5,120	18.80	N/A
ALL OTHER MECHANICS AND REPAIRERS	2,250	8.26	N/A
SUPERVISOR, NONWORKING	360	1.32	27
ORDER FILLER	490	1.80	26
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	190	0.70	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	1,600	5.88	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	230	0.84	N/A
CLERICAL OCCUPATIONS	8,690	31.91	N/A
ALL OTHER OFFICE MACHINE OPERATORS	270	0.99	N/A
ACCOUNTING CLERK	560	2.06	27
BOOKKEEPER, HAND	470	1.73	28
GENERAL OFFICE CLERK	1,210	4.44	26
ORDER CLERK	860	3.16	24
SECRETARY	1,210	4.44	14
TYPIST	450	1.65	24
CLERICAL SUPERVISOR, OFFICE OR PLANT	270	0.99	30
ALL OTHER OFFICE CLERICAL WORKERS	520	1.91	N/A
SHIPPING PACKER	780	2.86	35
SHIPPING AND/OR RECEIVING CLERK	510	1.87	23
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	1,550	5.69	26
ALL OTHER PLANT CLERICAL WORKERS	30	0.11	N/A
SALES OCCUPATIONS	6,400	23.50	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	6,200	22.77	10

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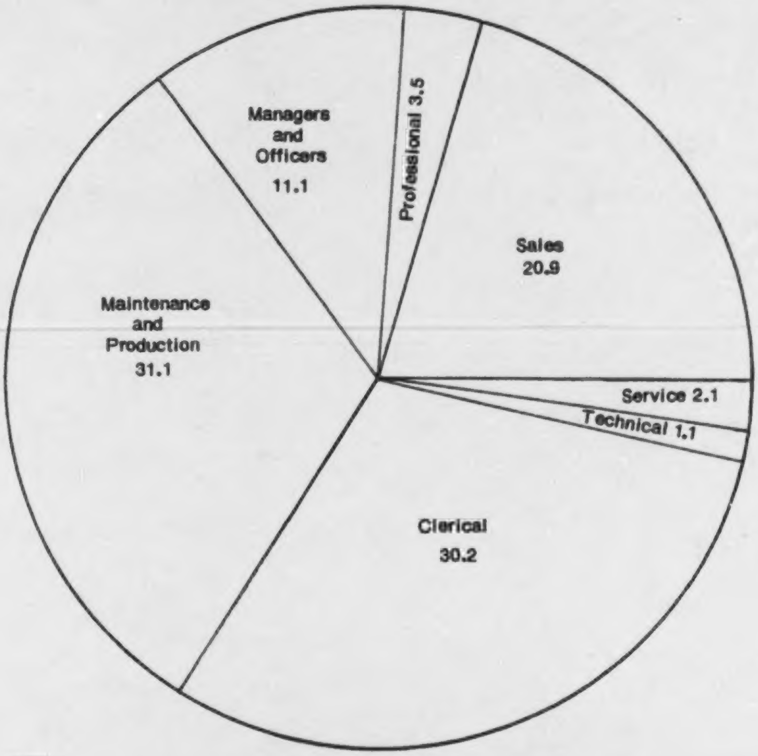
N/A - Relative Error Not Available

WHOLESALE TRADE - NONDURABLE GOODS (SIC 51)

This major group includes establishments primarily engaged in the wholesale distribution of nondurable goods.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Sales Representative	11,280	6.	Manager, Wholesale	2,640
2.	Delivery and Route Worker	4,790	7.	Truck Driver	2,630
3.	All Other Laborers	4,590	8.	Shipping Packer	2,630
4.	General Clerk, Office	3,360	9.	All Other Managers	2,380
5.	Order Filler	2,730	10.	Stock Clerk, Stockroom	1,790

These 10 occupations make up 63 percent of total industry employment.

SIC 51

The largest industry in the major group wholesale trade - nondurable goods, SIC 51, is groceries and related products, SIC 514, accounting for 34 percent of employment. Occupational distributions are presented both for the group as a whole and for seven individual industries.

The clerical and production and maintainance worker occupational categories make up 61 percent of the group employment. The clerical area is dominated, by office personnel and shipping and receiving occupations. Delivery workers, order fillers and truck drivers make up the majority of the production and maintainance category. The leading specific occupation is that of sales representative providing employment for 11,280 persons.

The wholesale trade - nondurable goods group is projected to grow by seven percent during the 1980's. Two industries, however, paper and paper products and drugs, should increase by more than 20 percent.

TABLE
OCCUPATIONS OF EMPLOYEES
WHOLESALE TRADE - NONDURABLE GOODS
SIC = 51
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	61,380	100.00	N/A
MANAGERS AND OFFICERS	6,820	11.11	N/A
MANAGER, MERCHANDISE	1,480	2.41	12
MANAGER, RETAIL STORE	310	0.51	21
MANAGER, AUTOMOBILE SERVICE DEPARTMENT	10	0.02	29
WHOLESALER	2,640	4.30	20
ALL OTHER MANAGERS	2,380	3.88	N/A
PROFESSIONAL OCCUPATIONS	2,150	3.50	N/A
ALL OTHER ENGINEERS	70	0.11	N/A
ALL OTHER MATHEMATICAL SCIENTISTS	10	0.02	N/A
CHEMIST	40	0.07	34
BUYER, RETAIL AND/OR WHOLESALE TRADE	620	1.01	17
ACCOUNTANTS AND AUDITORS	530	0.86	21
ALL OTHER PROFESSIONAL WORKERS	880	1.43	N/A
TECHNICAL OCCUPATIONS	690	1.12	N/A
ALL OTHER ENGINEERING TECHNICIANS	430	0.70	N/A
ALL OTHER TECHNICIANS	260	0.42	N/A
SERVICE WORKERS	1,280	2.09	N/A
JANITORS, PORTERS, AND CLEANERS	420	0.68	28
ALL OTHER FOOD SERVICE WORKERS	770	1.25	N/A
ALL OTHER SERVICE WORKERS	90	0.15	N/A
PRODUCTION AND MAINTENANCE WORKERS	19,070	31.07	N/A
MECHANIC, AUTOMOTIVE	350	0.57	13
ALL OTHER MECHANICS AND REPAIRERS	210	0.34	N/A
TRUCK DRIVER	2,630	4.28	13
DELIVERY AND/OR ROUTE WORKER	4,790	7.80	11
MERCHANDISE DISPLAYER AND WINDOW TRIMMER	30	0.05	32
SUPERVISOR, NONWORKING	670	1.09	20
MAINTENANCE REPAIRER, GENERAL UTILITY	520	0.85	21
HELPER, TRADES	10	0.02	25
OIL BURNER INSTALLER AND SERVICER	90	0.15	31
ORDER FILLER	2,730	4.45	23
SERVICE STATION OR FUEL PUMP ATTENDANT	720	1.17	19
TRUCK DRIVER HELPER	350	0.57	21
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	380	0.62	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	1,000	1.63	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	4,590	7.48	N/A
CLERICAL OCCUPATIONS	18,520	30.17	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	450	0.73	16
COMPUTER OPERATOR	260	0.42	26

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N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
WHOLESALE TRADE - NONDURABLE GOODS
SIC = 51
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ALL OTHER OFFICE MACHINE OPERATORS	370	0.60	N/A
ACCOUNTING CLERK	1,010	1.65	32
BOOKKEEPER, HAND	1,250	2.04	16
CASHIER	640	1.04	20
COLLECTOR	190	0.31	31
GENERAL OFFICE CLERK	3,360	5.47	11
CREDIT AUTHORIZER	40	0.07	27
ORDER CLERK	1,340	2.18	13
RECEPTIONIST	20	0.03	35
SECRETARY	1,470	2.39	30
SWITCHBOARD OPERATOR/RECEPTIONIST	100	0.16	19
TYPIST	640	1.04	25
CLERICAL SUPERVISOR, OFFICE OR PLANT	910	1.48	21
ALL OTHER OFFICE CLERICAL WORKERS	600	0.98	N/A
SHIPPING PACKER	2,630	4.28	19
SHIPPING AND/OR RECEIVING CLERK	1,320	2.15	12
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	1,790	2.92	24
DISPATCHER, VEHICLE, SERVICE OR WORK	50	0.08	24
ALL OTHER PLANT CLERICAL WORKERS	80	0.13	N/A
SALES OCCUPATIONS	12,850	20.94	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	11,280	18.38	10
ALL OTHER SALES WORKERS	1,570	2.56	N/A

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N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
PAPER AND PAPER PRODUCTS
SIC = 511
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	5,790	100.00	N/A
MANAGERS AND OFFICERS	530	9.15	N/A
MANAGER, MERCHANDISE	90	1.55	39
WHOLESALER	310	5.35	28
ALL OTHER MANAGERS	130	2.25	N/A
PROFESSIONAL OCCUPATIONS	150	2.59	N/A
ALL OTHER ENGINEERS	10	0.17	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	80	1.38	41
ALL OTHER PROFESSIONAL WORKERS	60	1.04	N/A
TECHNICAL OCCUPATIONS	60	1.04	N/A
COMPUTER PROGRAMMER	10	0.17	N/A
ELECTRICAL AND ELECTRONIC TECHNICIANS	40	0.69	113
ALL OTHER ENGINEERING TECHNICIANS	50	0.86	N/A
SERVICE WORKERS	40	0.69	N/A
JANITORS, PORTERS, AND CLEANERS	30	0.52	N/A
GUARDS AND DOORKEEPERS	10	0.17	N/A
PRODUCTION AND MAINTENANCE WORKERS	1,370	23.66	N/A
ALL OTHER MECHANICS AND REPAIRERS	70	1.21	N/A
TRUCK DRIVER	240	4.15	35
ELECTRICIAN	10	0.17	49
ORDER FILLER	220	3.80	46
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	120	2.07	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	430	7.43	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	280	4.84	N/A
CLERICAL OCCUPATIONS	1,940	33.51	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	50	0.86	47
ALL OTHER OFFICE MACHINE OPERATORS	50	0.86	N/A
ACCOUNTING CLERK	70	1.21	47
BOOKKEEPER, HAND	130	2.25	29
GENERAL OFFICE CLERK	280	4.84	35
ORDER CLERK	270	4.66	30
SECRETARY	230	3.97	29
TYPIST	130	2.25	42
CLERICAL SUPERVISOR, OFFICE OR PLANT	70	1.21	45
ALL OTHER OFFICE CLERICAL WORKERS	100	1.73	N/A
SHIPPING PACKER	140	2.42	37
SHIPPING AND/OR RECEIVING CLERK	210	3.63	26
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	210	3.63	38

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
PAPER AND PAPER PRODUCTS
SIC = 511
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
SALES OCCUPATIONS	1,700	29.36	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	1,520	26.25	30
ALL OTHER SALES WORKERS	180	3.11	N/A

[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

# TABLE
# OCCUPATIONS OF EMPLOYEES
# DRUGS, DRUG PROPRIETARIES AND DRUGGISTS' SUNDRIES
SIC = 512
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	3,770	100.00	N/A
MANAGERS AND OFFICERS	190	5.04	N/A
MANAGER, MERCHANDISE	40	1.06	25
WHOLESALER	20	0.53	12
ALL OTHER MANAGERS	130	3.45	N/A
PROFESSIONAL OCCUPATIONS	220	5.84	N/A
CHEMIST	10	0.27	N/A
PURCHASING AGENT AND/OR BUYER	10	0.27	31
BUYER, RETAIL AND/OR WHOLESALE TRADE	50	1.33	14
ACCOUNTANTS AND AUDITORS	20	0.53	18
PERSONNEL AND LABOR RELATIONS SPECIALISTS	10	0.27	18
ALL OTHER PROFESSIONAL WORKERS	120	3.18	N/A
TECHNICAL OCCUPATIONS	80	2.12	N/A
COMPUTER PROGRAMMER	10	0.27	13
ELECTRICAL AND ELECTRONIC TECHNICIANS	10	0.27	40
ALL OTHER TECHNICIANS	60	1.59	N/A
JANITORS, PORTERS, AND CLEANERS	20	0.53	23
PRODUCTION AND MAINTENANCE WORKERS	900	23.87	N/A
TRUCK DRIVER	80	2.12	24
DELIVERY AND/OR ROUTE WORKER	70	1.86	27
SUPERVISOR, NONWORKING	10	0.27	49
INDUSTRIAL TRUCK OPERATOR	20	0.53	28
MAINTENANCE REPAIRER, GENERAL UTILITY	10	0.27	31
ORDER FILLER	570	15.12	12
TRUCK DRIVER HELPER	20	0.53	28
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	10	0.27	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	110	2.92	N/A
CLERICAL OCCUPATIONS	960	25.46	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	40	1.06	25
COMPUTER OPERATOR	10	0.27	33
KEYPUNCH OPERATOR	10	0.27	28
ACCOUNTING CLERK	30	0.80	22
BOOKKEEPER, HAND	20	0.53	30
ADJUSTMENT CLERK	10	0.27	20
GENERAL OFFICE CLERK	130	3.45	22
ORDER CLERK	70	1.86	16
SECRETARY	60	1.59	23
SERVICE CLERK	10	0.27	N/A
SWITCHBOARD OPERATOR/RECEPTIONIST	10	0.27	28
TYPIST	30	0.80	18

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N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
DRUGS, DRUG PROPRIETARIES AND DRUGGISTS' SUNDRIES
SIC = 512
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
CLERICAL SUPERVISOR, OFFICE OR PLANT	60	1.59	26
ALL OTHER OFFICE CLERICAL WORKERS	100	2.65	N/A
SHIPPING PACKER	90	2.39	16
SHIPPING AND/OR RECEIVING CLERK	70	1.86	14
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	190	5.04	21
ALL OTHER PLANT CLERICAL WORKERS	20	0.53	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	1,400	37.14	13

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[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
GROCERIES AND RELATED PRODUCTS
SIC = 514
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	21,100	100.00	N/A
MANAGERS AND OFFICERS	2,170	10.28	N/A
MANAGER, MERCHANDISE	540	2.56	19
MANAGER, RETAIL STORE	80	0.38	34
MANAGER, AUTOMOBILE SERVICE DEPARTMENT	10	0.05	40
WHOLESALER	880	4.17	16
ALL OTHER MANAGERS	660	3.13	N/A
PROFESSIONAL OCCUPATIONS	440	2.09	N/A
ALL OTHER ENGINEERS	20	0.09	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	170	0.81	27
ACCOUNTANTS AND AUDITORS	140	0.66	23
LAWYER	10	0.05	50
PERSONNEL AND LABOR RELATIONS SPECIALISTS	10	0.05	26
ALL OTHER PROFESSIONAL WORKERS	90	0.43	N/A
TECHNICAL OCCUPATIONS	110	0.52	N/A
SERVICE WORKERS	980	4.64	N/A
JANITORS, PORTERS, AND CLEANERS	220	1.04	24
COOK, INSTITUTION OR CAFETERIA	10	0.05	40
ALL OTHER FOOD SERVICE WORKERS	720	3.41	N/A
ALL OTHER SERVICE WORKERS	30	0.14	N/A
PRODUCTION AND MAINTENANCE WORKERS	7,890	37.39	N/A
MECHANIC, AUTOMOTIVE	210	1.00	20
DIESEL MECHANIC	10	0.05	50
MECHANIC, MAINTENANCE	10	0.05	41
ALL OTHER MECHANICS AND REPAIRERS	50	0.24	N/A
TRUCK DRIVER	800	3.79	31
DELIVERY AND/OR ROUTE WORKER	3,490	16.54	14
SUPERVISOR, NONWORKING	170	0.81	25
INDUSTRIAL TRUCK OPERATOR	280	1.33	30
MACHINIST	20	0.09	49
MAINTENANCE REPAIRER, GENERAL UTILITY	260	1.23	36
ORDER FILLER	650	3.08	31
PAINTER, MAINTENANCE	10	0.05	50
PRODUCTION PACKAGER, HAND OR MACHINE	330	1.56	42
STOCK CLERK, SALES FLOOR	150	0.71	41
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	30	0.14	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	440	2.09	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	980	4.64	N/A
CLERICAL OCCUPATIONS	5,570	26.40	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	160	0.76	28

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[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
GROCERIES AND RELATED PRODUCTS
SIC = 514
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
COMPUTER OPERATOR	80	0.38	21
KEYPUNCH OPERATOR	80	0.38	23
PERIPHERAL EDP EQUIPMENT OPERATOR	10	0.05	45
ACCOUNTING CLERK	320	1.52	24
BOOKKEEPER, HAND	360	1.71	23
ADJUSTMENT CLERK	10	0.05	35
CASHIER	290	1.37	33
COLLECTOR	10	0.05	31
FILE CLERK	40	0.19	36
GENERAL OFFICE CLERK	680	3.22	19
CREDIT AUTHORIZER	10	0.05	43
ORDER CLERK	280	1.33	20
PAYROLL AND/OR TIMEKEEPING CLERK	20	0.09	21
SECRETARY	360	1.71	19
SERVICE CLERK	50	0.24	39
SWITCHBOARD OPERATOR/RECEPTIONIST	30	0.14	19
TYPIST	90	0.43	37
CLERICAL SUPERVISOR, OFFICE OR PLANT	320	1.52	45
ALL OTHER OFFICE CLERICAL WORKERS	60	0.28	N/A
SHIPPING PACKER	1,500	7.11	26
SHIPPING AND/OR RECEIVING CLERK	450	2.13	19
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	340	1.61	46
ALL OTHER PLANT CLERICAL WORKERS	20	0.09	N/A
SALES OCCUPATIONS	3,940	18.67	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	3,530	16.73	14
SALES CLERK	380	1.80	41
ALL OTHER SALES WORKERS	30	0.14	N/A

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[1] - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
CHEMICALS AND ALLIED PRODUCTS
SIC = 516
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	3,360	100.00	N/A
MANAGERS AND OFFICERS	360	10.71	N/A
MANAGER, MERCHANDISE	80	2.38	23
WHOLESALER	160	4.76	30
ALL OTHER MANAGERS	120	3.57	N/A
PROFESSIONAL OCCUPATIONS	120	3.57	N/A
ALL OTHER ENGINEERS	10	0.30	N/A
CHEMIST	30	0.89	N/A
ACCOUNTANTS AND AUDITORS	30	0.89	32
ALL OTHER PROFESSIONAL WORKERS	50	1.49	N/A
TECHNICAL OCCUPATIONS	150	4.46	N/A
ELECTRICAL AND ELECTRONIC TECHNICIANS	90	2.68	N/A
ALL OTHER TECHNICIANS	60	1.79	N/A
JANITORS, PORTERS, AND CLEANERS	30	0.89	N/A
PRODUCTION AND MAINTENANCE WORKERS	830	24.70	N/A
MECHANIC, AUTOMOTIVE	10	0.30	N/A
TRUCK DRIVER	250	7.44	21
SUPERVISOR, NONWORKING	60	1.79	21
INDUSTRIAL TRUCK OPERATOR	40	1.19	32
MAINTENANCE REPAIRER, GENERAL UTILITY	50	1.49	24
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	170	5.06	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	250	7.44	N/A
CLERICAL OCCUPATIONS	950	28.27	N/A
ALL OTHER OFFICE MACHINE OPERATORS	20	0.60	N/A
ACCOUNTING CLERK	40	1.19	34
BOOKKEEPER, HAND	70	2.08	25
CASHIER	10	0.30	30
GENERAL OFFICE CLERK	80	2.38	25
ORDER CLERK	190	5.65	18
SECRETARY	150	4.46	19
TYPIST	60	1.79	30
ALL OTHER OFFICE CLERICAL WORKERS	90	2.68	N/A
SHIPPING PACKER	90	2.68	20
SHIPPING AND/OR RECEIVING CLERK	60	1.79	28
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	90	2.68	31
SALES OCCUPATIONS	920	27.38	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	900	26.79	17
SALES CLERK	20	0.60	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
PETROLEUM AND PETROLEUM PRODUCTS
SIC = 517
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT NUMBER[1]	EMPLOYMENT PERCENT OF TOTAL	EMPLOYMENT RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	3,800	100.00	N/A
MANAGERS AND OFFICERS	490	12.89	N/A
MANAGER, MERCHANDISE	80	2.11	23
MANAGER, RETAIL STORE	180	4.74	28
WHOLESALER	120	3.16	17
ALL OTHER MANAGERS	110	2.89	N/A
PROFESSIONAL OCCUPATIONS	70	1.84	N/A
ACCOUNTANTS AND AUDITORS	50	1.32	37
PERSONNEL AND LABOR RELATIONS SPECIALISTS	10	0.26	24
ALL OTHER PROFESSIONAL WORKERS	10	0.26	N/A
TECHNICAL OCCUPATIONS	20	0.53	N/A
ALL OTHER ENGINEERING TECHNICIANS	10	0.26	N/A
ALL OTHER TECHNICIANS	10	0.26	N/A
JANITORS, PORTERS, AND CLEANERS	10	0.26	N/A
PRODUCTION AND MAINTENANCE WORKERS	1,900	50.00	N/A
MECHANIC, AUTOMOTIVE	70	1.84	20
ALL OTHER MECHANICS AND REPAIRERS	30	0.79	N/A
TRUCK DRIVER	400	10.53	23
DELIVERY AND/OR ROUTE WORKER	160	4.21	28
SUPERVISOR, NONWORKING	80	2.11	32
MAINTENANCE REPAIRER, GENERAL UTILITY	100	2.63	33
OIL BURNER INSTALLER AND SERVICER	90	2.37	31
SERVICE STATION OR FUEL PUMP ATTENDANT	720	18.95	19
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	10	0.26	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	110	2.89	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	130	3.42	N/A
CLERICAL OCCUPATIONS	920	24.21	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	30	0.79	49
KEYPUNCH OPERATOR	10	0.26	22
ACCOUNTING CLERK	60	1.58	37
BOOKKEEPER, HAND	60	1.58	35
CASHIER	100	2.63	44
COLLECTOR	140	3.68	40
GENERAL OFFICE CLERK	190	5.00	20
CREDIT REFERENCE CLERK	10	0.26	40
SECRETARY	60	1.58	21
SWITCHBOARD OPERATOR/RECEPTIONIST	10	0.26	49
TYPIST	50	1.32	47
CLERICAL SUPERVISOR, OFFICE OR PLANT	50	1.32	33

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
PETROLEUM AND PETROLEUM PRODUCTS
SIC = 517
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ALL OTHER OFFICE CLERICAL WORKERS	50	1.32	N/A
DISPATCHER, VEHICLE, SERVICE OR WORK	30	0.79	29
ALL OTHER PLANT CLERICAL WORKERS	70	1.84	N/A
SALES OCCUPATIONS	390	10.26	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	250	6.58	24
SALES CLERK	140	3.68	N/A

1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
BEER, WINE AND DISTILLED ALCOHOLIC BEVERAGES
SIC = 518
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	4,070	100.00	N/A
MANAGERS AND OFFICERS	220	5.41	N/A
MANAGER, MERCHANDISE	40	0.98	34
WHOLESALER	60	1.47	25
ALL OTHER MANAGERS	120	2.95	N/A
PROFESSIONAL OCCUPATIONS	90	2.21	N/A
PURCHASING AGENT AND/OR BUYER	10	0.25	45
ACCOUNTANTS AND AUDITORS	20	0.49	23
ALL OTHER PROFESSIONAL WORKERS	60	1.47	N/A
COMPUTER PROGRAMMER	10	0.25	31
JANITORS, PORTERS, AND CLEANERS	10	0.25	25
PRODUCTION AND MAINTENANCE WORKERS	1,870	45.95	N/A
MECHANIC, AUTOMOTIVE	40	0.98	29
TRUCK DRIVER	390	9.58	36
DELIVERY AND/OR ROUTE WORKER	470	11.55	25
MERCHANDISE DISPLAYER AND WINDOW TRIMMER	30	0.74	32
SUPERVISOR, NONWORKING	40	0.98	45
INDUSTRIAL TRUCK OPERATOR	170	4.18	22
MAINTENANCE REPAIRER, GENERAL UTILITY	10	0.25	47
TRUCK DRIVER HELPER	310	7.62	23
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	10	0.25	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	400	9.83	N/A
CLERICAL OCCUPATIONS	890	21.87	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	30	0.74	N/A
COMPUTER OPERATOR	30	0.74	23
KEYPUNCH OPERATOR	20	0.49	34
PERIPHERAL EDP EQUIPMENT OPERATOR	10	0.25	44
ACCOUNTING CLERK	40	0.98	37
BOOKKEEPER, HAND	80	1.97	49
CASHIER	20	0.49	17
COLLECTOR	20	0.49	37
GENERAL OFFICE CLERK	150	3.69	24
CREDIT AUTHORIZER	10	0.25	35
ORDER CLERK	70	1.72	25
PAYROLL AND/OR TIMEKEEPING CLERK	10	0.25	22
PROCUREMENT CLERK	10	0.25	41
SECRETARY	40	0.98	25
SWITCHBOARD OPERATOR/RECEPTIONIST	10	0.25	17
TYPIST	10	0.25	26
ALL OTHER OFFICE CLERICAL WORKERS	60	1.47	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
BEER, WINE AND DISTILLED ALCOHOLIC BEVERAGES
SIC = 518
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
SHIPPING PACKER	110	2.70	38
SHIPPING AND/OR RECEIVING CLERK	80	1.97	27
ALL OTHER PLANT CLERICAL WORKERS	80	1.97	N/A
SALES OCCUPATIONS	980	24.08	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	970	23.83	10
ALL OTHER SALES WORKERS	10	0.25	N/A

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[1] - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
MISCELLANEIUS NONDURABLE GOODS
SIC = 519
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	10,170	100.00	N/A
MANAGERS AND OFFICERS	1,220	12.00	N/A
MANAGER, MERCHANDISE	430	4.23	18
MANAGER, RETAIL STORE	10	0.10	33
WHOLESALER	500	4.92	16
ALL OTHER MANAGERS	280	2.75	25
PROFESSIONAL OCCUPATIONS	370	3.64	N/A
SYSTEMS ANALYST, ELECTRONIC DATA PROCESSING	10	0.10	25
PURCHASING AGENT AND/OR BUYER	10	0.10	37
BUYER, RETAIL AND/OR WHOLESALE TRADE	120	1.18	37
ACCOUNTANTS AND AUDITORS	100	0.98	28
COMMERCIAL ARTIST	20	0.20	33
WRITER AND/OR EDITOR	70	0.69	44
ALL OTHER PROFESSIONAL WORKERS	40	0.39	N/A
TECHNICAL OCCUPATIONS	180	1.77	N/A
COMPUTER PROGRAMMER	30	0.29	30
ELECTRICAL AND ELECTRONIC TECHNICIANS	10	0.10	42
ALL OTHER TECHNICIANS	140	1.38	37
SERVICE WORKERS	70	0.69	N/A
JANITORS, PORTERS, AND CLEANERS	30	0.29	24
ALL OTHER FOOD SERVICE WORKERS	40	0.39	N/A
PRODUCTION AND MAINTENANCE WORKERS	2,400	23.60	N/A
MECHANIC, AUTOMOTIVE	20	0.20	N/A
MECHANIC, MAINTENANCE	10	0.10	49
TRUCK DRIVER	400	3.93	29
DELIVERY AND/OR ROUTE WORKER	400	3.93	23
SUPERVISOR, NONWORKING	140	1.38	24
INDUSTRIAL TRUCK OPERATOR	30	0.29	47
ORDER FILLER	640	6.29	17
STOCK CLERK, SALES FLOOR	30	0.29	40
TRUCK DRIVER HELPER	10	0.10	47
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	30	0.29	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	270	2.65	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	420	4.13	N/A
CLERICAL OCCUPATIONS	4,150	40.81	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	90	0.88	26
COMPUTER OPERATOR	40	0.39	19
KEYPUNCH OPERATOR	30	0.29	36
PERIPHERAL EDP EQUIPMENT OPERATOR	10	0.10	29
PERIPHERAL EDP EQUIPMENT OPERATOR	10	0.10	29

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
MISCELLANEIUS NONDURABLE GOODS
SIC = 519
REFERENCE DATE JUNE 1982

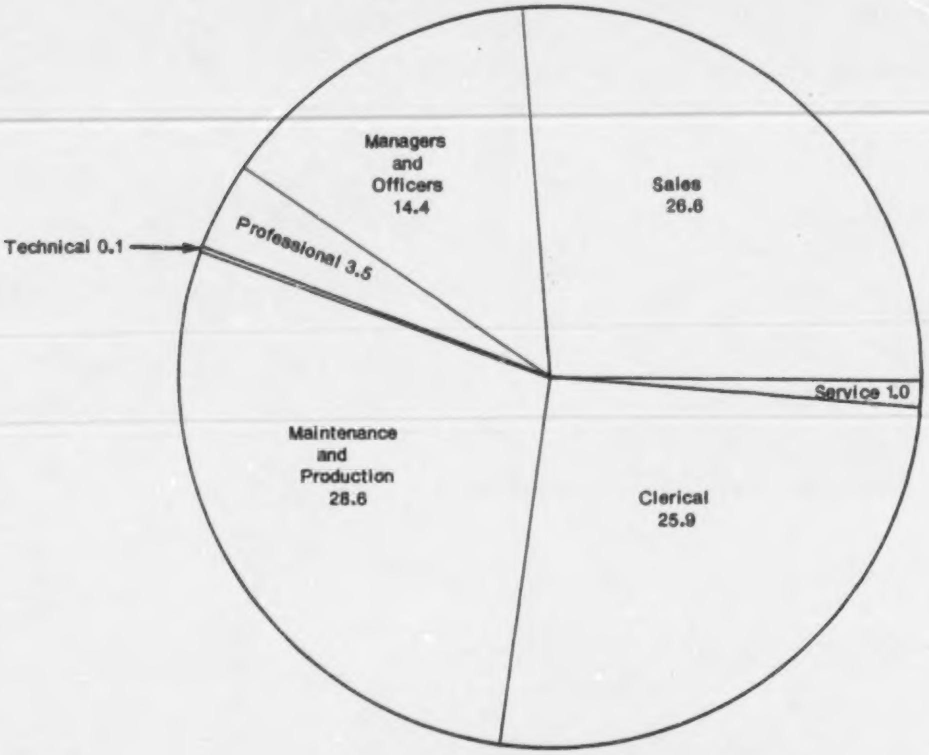
OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ALL OTHER OFFICE MACHINE OPERATORS	10	0.10	N/A
ACCOUNTING CLERK	160	1.57	25
BOOKKEEPER, HAND	300	2.95	20
ADJUSTMENT CLERK	40	0.39	40
CASHIER	60	0.59	37
COLLECTOR	10	0.10	29
FILE CLERK	20	0.20	27
GENERAL OFFICE CLERK	1,480	14.55	19
ORDER CLERK	240	2.36	25
PAYROLL AND/OR TIMEKEEPING CLERK	10	0.10	20
RECEPTIONIST	10	0.10	29
SECRETARY	240	2.36	19
SWITCHBOARD OPERATOR/RECEPTIONIST	20	0.20	25
TYPIST	110	1.08	27
CLERICAL SUPERVISOR, OFFICE OR PLANT	170	1.67	24
ALL OTHER OFFICE CLERICAL WORKERS	30	0.29	N/A
SHIPPING PACKER	360	3.54	19
SHIPPING AND/OR RECEIVING CLERK	260	2.56	24
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	430	4.23	24
MARKING CLERK	10	0.10	47
ALL OTHER PLANT CLERICAL WORKERS	10	0.10	N/A
SALES OCCUPATIONS	1,780	17.50	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	1,470	14.45	15
SALES CLERK	310	3.05	34

1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

BUILDING MATERIALS, HARDWARE, GARDEN SUPPLY, AND MOBILE HOME DEALERS
(SIC 52)

This major group includes retail establishments primarily engaged in selling lumber and other building materials; paint; glass and wallpaper; hardware; nursery stock; lawn and garden supplies; and mobile homes.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Sales Representative	2,320	6.	Stock Clerk, Sales Floor	660
2.	Manager, Store	1,580	7.	Stock Clerk, Stockroom	640
3.	Sales Clerk	1,460	8.	General Clerk, Office	590
4.	Truck Driver	930	9.	Bookkeeper, Hand	580
5.	Cashier	750	10.	All Other Laborers	540

These 10 occupations make up 70 percent of total industry employment.

SIC 52

The major group, SIC 52, includes retail establishments primarily engaged in selling lumber and other building materials, hardware, garden supply and nursery stock and mobile homes.

Employment in SIC 521, lumber and building materials, accounts for over 50 percent of employment in the group. Since 1979 employment in SIC 521 declined slightly while small increases were recorded in hardware stores, SIC 525, and nursery and garden supplies, SIC 526. Overall, employment in this major group increased by only one percent over the three year period.

Occupations in the production and maintenance category accounted for over 28 percent of the employees in the group. Almost equal in importance were sales occupations at over 26 percent and clerical workers with about 25 percent of the group total. Managers and officers account for 14 percent of employment, or one manager for every seven workers.

The major industry group is projected to show a 5.5 percent employment increase between 1980 and 1990. The largest industry, building materials, is expected to show a small increase of 2.1 percent while nursery and garden supply stores are projected to grow by 19 percent during the 1980's.

TABLE
OCCUPATIONS OF EMPLOYEES
BUILDING MATERIALS, HARDWARE, GARDEN SUPPLY AND MOBIL HOME DEALERS
SIC = 52
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	14,310	100.00	N/A
MANAGERS AND OFFICERS	2,050	14.33	N/A
MANAGER, MERCHANDISE	360	2.52	14
MANAGER, RETAIL STORE	1,580	11.04	5
WHOLESALER	10	0.07	N/A
ALL OTHER MANAGERS	100	0.70	N/A
PROFESSIONAL OCCUPATIONS	500	3.49	N/A
ALL OTHER ENGINEERS	10	0.07	N/A
ALL OTHER MATHEMATICAL SCIENTISTS	10	0.07	N/A
PURCHASING AGENT AND/OR BUYER	10	0.07	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	270	1.89	17
ACCOUNTANTS AND AUDITORS	150	1.05	20
COMMERCIAL ARTIST	10	0.07	39
DESIGNER	40	0.28	13
ALL OTHER PROFESSIONAL WORKERS	10	0.07	N/A
TECHNICAL OCCUPATIONS	10	0.07	N/A
SERVICE WORKERS	140	0.98	N/A
JANITORS, PORTERS, AND CLEANERS	100	0.70	24
GUARDS AND DOORKEEPERS	30	0.21	14
ALL OTHER SERVICE WORKERS	10	0.07	N/A
PRODUCTION AND MAINTENANCE WORKERS	4,110	28.72	N/A
MECHANIC, AUTOMOTIVE	30	0.21	34
GASOLINE ENGINE OR MOWER REPAIRER	140	0.98	35
ALL OTHER MECHANICS AND REPAIRERS	30	0.21	N/A
TRUCK DRIVER	930	6.50	15
CARPENTER	100	0.70	39
DELIVERY AND/OR ROUTE WORKER	160	1.12	21
SUPERVISOR, NONWORKING	220	1.54	29
GLAZIER	320	2.24	14
INDUSTRIAL TRUCK OPERATOR	260	1.82	22
MAINTENANCE REPAIRER, GENERAL UTILITY	280	1.96	34
HELPER, TRADES	10	0.07	N/A
ORDER FILLER	20	0.14	N/A
STOCK CLERK, SALES FLOOR	660	4.61	15

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1 - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

# TABLE
# OCCUPATIONS OF EMPLOYEES
# BUILDING MATERIALS, HARDWARE, GARDEN SUPPLY AND MOBIL HOME DEALERS
SIC = 52
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
WOOD MACHINIST	210	1.47	30
WOODWORKING-MACHINE OPERATOR	10	0.07	N/A
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	80	0.56	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	110	0.77	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	540	3.77	N/A
CLERICAL OCCUPATIONS	3,700	25.86	N/A
COMPUTER OPERATOR	30	0.21	30
KEYPUNCH OPERATOR	30	0.21	7
ALL OTHER OFFICE MACHINE OPERATORS	20	0.14	N/A
STENOGRAPHER	10	0.07	N/A
ACCOUNTING CLERK	240	1.68	16
BOOKKEEPER, HAND	580	4.05	9
ADJUSTMENT CLERK	20	0.14	N/A
CASHIER	750	5.24	12
FILE CLERK	20	0.14	N/A
GENERAL OFFICE CLERK	590	4.12	13
CREDIT AUTHORIZER	10	0.07	N/A
ORDER CLERK	30	0.21	N/A
PAYROLL AND/OR TIMEKEEPING CLERK	10	0.07	29
CREDIT REFERENCE CLERK	20	0.14	N/A
SECRETARY	200	1.40	19
SERVICE CLERK	10	0.07	N/A
SWITCHBOARD OPERATOR/RECEPTIONIST	10	0.07	19
TYPIST	10	0.07	N/A
CLERICAL SUPERVISOR, OFFICE OR PLANT	30	0.21	N/A
ALL OTHER OFFICE CLERICAL WORKERS	10	0.07	N/A
SHIPPING AND/OR RECEIVING CLERK	410	2.87	18
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	640	4.47	18
MARKING CLERK	20	0.14	N/A
SALES OCCUPATIONS	3,800	26.55	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	2,320	16.21	7
SALES CLERK	1,460	10.20	9
SALES CLERK SUPERVISOR	10	0.07	N/A
ALL OTHER SALES WORKERS	10	0.07	N/A

1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
LUMBER AND OTHER BUILDING MATERIALS DEALERS
SIC = 521
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	7,530	100.00	N/A
MANAGERS AND OFFICERS	970	12.88	N/A
MANAGER, MERCHANDISE	160	2.12	20
MANAGER, RETAIL STORE	730	9.69	8
ALL OTHER MANAGERS	80	1.06	N/A
PROFESSIONAL OCCUPATIONS	280	3.72	N/A
ALL OTHER ENGINEERS	10	0.13	N/A
ALL OTHER MATHEMATICAL SCIENTISTS	10	0.13	N/A
PURCHASING AGENT AND/OR BUYER	10	0.13	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	140	1.86	21
ACCOUNTANTS AND AUDITORS	90	1.20	17
COMMERCIAL ARTIST	10	0.13	43
ALL OTHER PROFESSIONAL WORKERS	10	0.13	N/A
TECHNICAL OCCUPATIONS	10	0.13	N/A
SERVICE WORKERS	70	0.93	N/A
JANITORS, PORTERS, AND CLEANERS	40	0.53	38
GUARDS AND DOORKEEPERS	20	0.27	N/A
ALL OTHER SERVICE WORKERS	10	0.13	N/A
PRODUCTION AND MAINTENANCE WORKERS	2,500	33.20	N/A
MECHANIC, AUTOMOTIVE	30	0.40	36
ALL OTHER MECHANICS AND REPAIRERS	10	0.13	N/A
TRUCK DRIVER	830	11.02	16
CARPENTER	90	1.20	39
DELIVERY AND/OR ROUTE WORKER	110	1.46	27
SUPERVISOR, NONWORKING	160	2.12	38
INDUSTRIAL TRUCK OPERATOR	260	3.45	23
STOCK CLERK, SALES FLOOR	270	3.59	20
WOOD MACHINIST	190	2.52	31
WOODWORKING-MACHINE OPERATOR	10	0.13	N/A
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	100	1.33	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	140	1.86	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	300	3.98	N/A
CLERICAL OCCUPATIONS	2,190	29.08	N/A
COMPUTER OPERATOR	30	0.40	30
KEYPUNCH OPERATOR	30	0.40	7
ALL OTHER OFFICE MACHINE OPERATORS	20	0.27	N/A
STENOGRAPHER	10	0.13	N/A
ACCOUNTING CLERK	170	2.26	20
ACCOUNTING CLERK	170	2.26	20
ACCOUNTING CLERK	170	2.26	20

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[1] - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
LUMBER AND OTHER BUILDING MATERIALS DEALERS
SIC = 521
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
BOOKKEEPER, HAND	310	4.12	13
ADJUSTMENT CLERK	20	0.27	N/A
CASHIER	310	4.12	22
FILE CLERK	20	0.27	N/A
GENERAL OFFICE CLERK	310	4.12	18
CREDIT AUTHORIZER	10	0.13	N/A
ORDER CLERK	30	0.40	N/A
CREDIT REFERENCE CLERK	10	0.13	N/A
SECRETARY	90	1.20	27
SWITCHBOARD OPERATOR/RECEPTIONIST	10	0.13	28
TYPIST	10	0.13	N/A
CLERICAL SUPERVISOR, OFFICE OR PLANT	30	0.40	N/A
ALL OTHER OFFICE CLERICAL WORKERS	20	0.27	N/A
SHIPPING AND/OR RECEIVING CLERK	290	3.85	23
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	460	6.11	24
SALES OCCUPATIONS	1,510	20.05	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	1,250	16.60	9
SALES CLERK	250	3.32	26
SALES CLERK SUPERVISOR	10	0.13	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
PAINT, GLASS, AND WALLPAPER STORES
SIC = 523
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	1,520	100.00	N/A
MANAGERS AND OFFICERS	230	15.13	N/A
MANAGER, MERCHANDISE	40	2.63	16
MANAGER, RETAIL STORE	190	12.50	7
PROFESSIONAL OCCUPATIONS	20	1.32	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	10	0.66	33
ALL OTHER PROFESSIONAL WORKERS	10	0.66	N/A
TECHNICAL OCCUPATIONS	10	0.66	N/A
JANITORS, PORTERS, AND CLEANERS	10	0.66	36
PRODUCTION AND MAINTENANCE WORKERS	390	25.66	N/A
TRUCK DRIVER	10	0.66	25
DELIVERY AND/OR ROUTE WORKER	10	0.66	39
SUPERVISOR, NONWORKING	10	0.66	33
GLAZIER	280	18.42	13
STOCK CLERK, SALES FLOOR	60	3.95	20
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	10	0.66	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	10	0.66	N/A
CLERICAL OCCUPATIONS	280	18.42	N/A
ACCOUNTING CLERK	20	1.32	27
BOOKKEEPER, HAND	80	5.26	11
CASHIER	40	2.63	23
GENERAL OFFICE CLERK	70	4.61	17
SECRETARY	20	1.32	24
SHIPPING AND/OR RECEIVING CLERK	10	0.66	30
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	40	2.63	14
SALES OCCUPATIONS	580	38.16	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	310	20.39	12
SALES CLERK	270	17.76	13

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
HARDWARE STORES
SIC = 525
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	3,560	100.00	N/A
MANAGERS AND OFFICERS	630	17.70	N/A
MANAGER, MERCHANDISE	130	3.65	28
MANAGER, RETAIL STORE	500	14.04	10
PROFESSIONAL OCCUPATIONS	130	3.65	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	100	2.81	33
ACCOUNTANTS AND AUDITORS	30	0.84	N/A
JANITORS, PORTERS, AND CLEANERS	30	0.84	N/A
PRODUCTION AND MAINTENANCE WORKERS	510	14.33	N/A
ALL OTHER MECHANICS AND REPAIRERS	70	1.97	N/A
TRUCK DRIVER	60	1.69	28
GLAZIER	30	0.84	N/A
STOCK CLERK, SALES FLOOR	190	5.34	25
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	150	4.21	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	10	0.28	N/A
CLERICAL OCCUPATIONS	890	25.00	N/A
ACCOUNTING CLERK	40	1.12	42
BOOKKEEPER, HAND	150	4.21	17
CASHIER	290	8.15	16
GENERAL OFFICE CLERK	150	4.21	30
SECRETARY	60	1.69	42
ALL OTHER OFFICE CLERICAL WORKERS	10	0.28	N/A
SHIPPING AND/OR RECEIVING CLERK	100	2.81	24
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	90	2.53	34
SALES OCCUPATIONS	1,370	38.48	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	620	17.42	18
SALES CLERK	750	21.07	13

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
RETAIL NURSERIES, LAWN AND GARDEN SUPPLY STORES
SIC = 526
REFERENCE DATE JUNE 1982

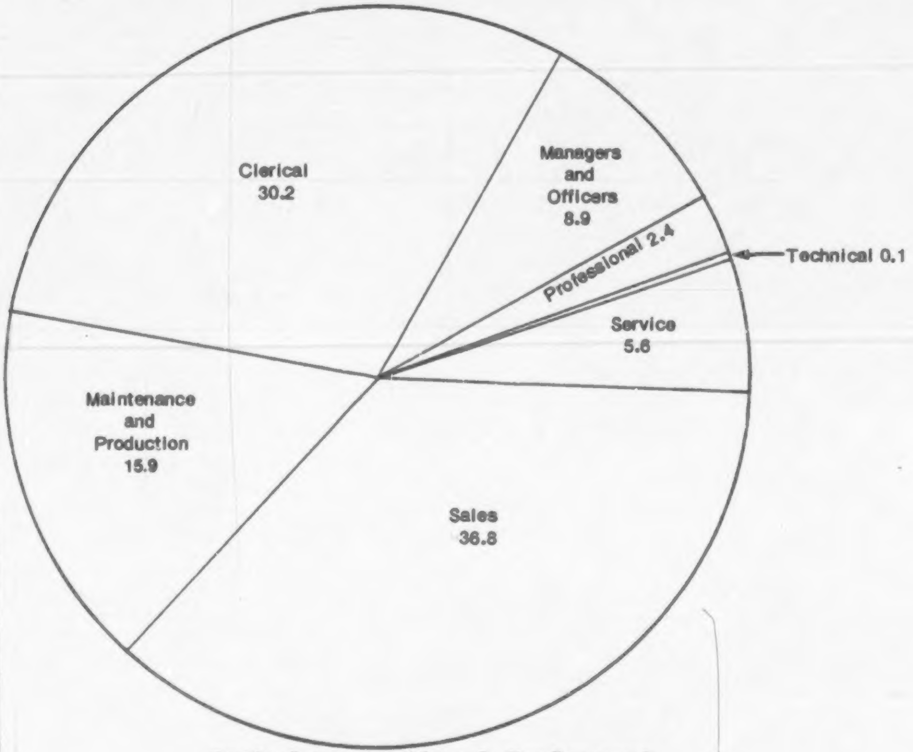
OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	1,690	100.00	N/A
MANAGERS AND OFFICERS	210	12.43	N/A
MANAGER, MERCHANDISE	30	1.78	42
MANAGER, RETAIL STORE	150	8.88	18
WHOLESALER	10	0.59	N/A
ALL OTHER MANAGERS	20	1.18	N/A
PROFESSIONAL OCCUPATIONS	70	4.14	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	20	1.18	44
ACCOUNTANTS AND AUDITORS	20	1.18	40
DESIGNER	30	1.78	15
SERVICE WORKERS	30	1.78	N/A
PRODUCTION AND MAINTENANCE WORKERS	720	42.60	N/A
GASOLINE ENGINE OR MOWER REPAIRER	90	5.33	36
TRUCK DRIVER	40	2.37	31
DELIVERY AND/OR ROUTE WORKER	20	1.18	33
STOCK CLERK, SALES FLOOR	140	8.28	47
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	10	0.59	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	130	7.69	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	290	17.16	N/A
CLERICAL OCCUPATIONS	340	20.12	N/A
BOOKKEEPER, HAND	40	2.37	31
CASHIER	110	6.51	39
GENERAL OFFICE CLERK	60	3.55	39
ALL OTHER OFFICE CLERICAL WORKERS	50	2.96	N/A
SHIPPING AND/OR RECEIVING CLERK	10	0.59	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	50	2.96	38
MARKING CLERK	20	1.18	N/A
SALES OCCUPATIONS	320	18.93	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	130	7.69	24
SALES CLERK	190	11.24	27

1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

GENERAL MERCHANDISE STORES (SIC 53)

Included in this major group are department stores, variety stores and other general merchandise stores.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Sales Clerk	10,640	6.	Stock Clerk, Stockroom	1,980
2.	Sales Representative	8,080	7.	All Other Office Clerical Workers	1,230
3.	Cashier	5,360	8.	Marking Clerk	1,190
4.	Manager, Store	2,510	9.	General Clerk, Office	1,080
5.	All Other Managers	1,980	10.	Sales Clerk Supervisor	1,030

These 10 occupations make up 64 percent of total industry employment.

SIC 53

Included in this major industry group are department stores, variety stores and other general merchandise stores. Department stores make up 92 percent of the employment with variety stores 5 percent and general merchandise stores the remaining 3 percent.

Employment in the industry shows a decrease of just over 3 percent since the 1979 survey with both department stores and variety stores showing decreases while miscellaneous general merchandise stores had a slight increase in jobs. The number of establishments declined by 25, from 685 to 660 over the same period, with the average number of employees per establishment remaining at 83.

Sales and clerical jobs make up 66 percent of the occupational structure and it was in these areas of relatively unskilled positions that the decrease in employment occurred. The more skilled occupational areas of managers and officers, professional and maintenance people all show increases in employment over three years ago. The continued increase in the use of computers for inventory control and billing as well as improved methods of handling and storing merchandise will continue to limit the increase in demand for unskilled workers as the industry shows sales growth in the future.

TABLE
OCCUPATIONS OF EMPLOYEES
GENERAL MERCHANDISE STORES
SIC = 53
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	54,800	100.00	N/A
MANAGERS AND OFFICERS	4,870	8.89	N/A
MANAGER, MERCHANDISE	380	0.69	30
MANAGER, RETAIL STORE	2,510	4.58	24
ALL OTHER MANAGERS	1,980	3.61	N/A
PROFESSIONAL OCCUPATIONS	1,320	2.41	N/A
SYSTEMS ANALYST, ELECTRONIC DATA PROCESSING	20	0.04	28
PURCHASING AGENT AND/OR BUYER	10	0.02	20
BUYER, RETAIL AND/OR WHOLESALE TRADE	750	1.37	23
ACCOUNTANTS AND AUDITORS	70	0.13	22
COMMERCIAL ARTIST	110	0.20	22
WRITER AND/OR EDITOR	80	0.15	32
PERSONNEL AND LABOR RELATIONS SPECIALISTS	180	0.33	20
PUBLIC RELATIONS PRACTITIONER	10	0.02	25
ALL OTHER PROFESSIONAL WORKERS	90	0.16	N/A
TECHNICAL OCCUPATIONS	60	0.11	N/A
COMPUTER PROGRAMMER	40	0.07	25
ALL OTHER TECHNICIANS	20	0.04	N/A
SERVICE WORKERS	3,050	5.57	N/A
JANITORS, PORTERS, AND CLEANERS	630	1.15	13
GUARDS AND DOORKEEPERS	310	0.57	29
WAITER/WAITRESS	220	0.40	22
COUNTER ATTND.,LUNCHRM,COFFEE SHOP, CAFETERIA	150	0.27	34
COOK, RESTAURANT	20	0.04	27
PANTRY, SANDWICH AND/OR COFFEE MAKER	10	0.02	32
ALL OTHER FOOD SERVICE WORKERS	390	0.71	N/A
CHECKER, FITTING ROOM	190	0.35	27
STORE DETECTIVE	480	0.88	22
ALL OTHER SERVICE WORKERS	650	1.19	N/A
PRODUCTION AND MAINTENANCE WORKERS	8,760	15.99	N/A
BICYCLE REPAIRER	20	0.04	20
MECHANIC, MAINTENANCE	260	0.47	16
ALL OTHER MECHANICS AND REPAIRERS	710	1.30	N/A
TRUCK DRIVER	30	0.05	22
CARPENTER	20	0.04	18
MERCHANDISE DISPLAYER AND WINDOW TRIMMER	160	0.29	14
ELECTRICIAN	20	0.04	22
INDUSTRIAL TRUCK OPERATOR	100	0.18	36
MAINTENANCE REPAIRER, GENERAL UTILITY	60	0.11	23
PAINTER, MAINTENANCE	20	0.04	19
PAINTER, MAINTENANCE	20	0.04	19

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
GENERAL MERCHANDISE STORES
SIC = 53
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ALTERATION TAILOR	130	0.24	23
TIRE CHANGER	10	0.02	27
STOCK CLERK, SALES FLOOR	5,460	9.96	32
FURNITURE FINISHER	20	0.04	26
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	840	1.53	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	90	0.16	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	810	1.48	N/A
CLERICAL OCCUPATIONS	16,570	30.24	N/A
COMPUTER OPERATOR	60	0.11	20
KEYPUNCH OPERATOR	300	0.55	27
PERIPHERAL EDP EQUIPMENT OPERATOR	40	0.07	34
ALL OTHER OFFICE MACHINE OPERATORS	110	0.20	N/A
ACCOUNTING CLERK	820	1.50	15
BOOKKEEPER, HAND	130	0.24	21
ADJUSTMENT CLERK	560	1.02	19
CASHIER	5,360	9.78	27
COLLECTOR	110	0.20	26
FILE CLERK	30	0.05	31
GENERAL OFFICE CLERK	1,080	1.97	18
CREDIT AUTHORIZER	260	0.47	27
PERSONNEL CLERK	100	0.18	26
RECEPTIONIST	10	0.02	17
SECRETARY	260	0.47	15
SERVICE CLERK	810	1.48	32
SWITCHBOARD OPERATOR	270	0.49	22
TYPIST	180	0.33	33
CLERICAL SUPERVISOR, OFFICE OR PLANT	420	0.77	31
ALL OTHER OFFICE CLERICAL WORKERS	1,230	2.24	N/A
SHIPPING PACKER	400	0.73	25
SHIPPING AND/OR RECEIVING CLERK	830	1.51	17
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	1,980	3.61	18
DISPATCHER, VEHICLE, SERVICE OR WORK	10	0.02	35
MARKING CLERK	1,190	2.17	19
ALL OTHER PLANT CLERICAL WORKERS	20	0.04	N/A
SALES OCCUPATIONS	20,170	36.81	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	8,080	14.74	24
SALES CLERK	10,640	19.42	19
SALES CLERK SUPERVISOR	1,030	1.88	33
ALL OTHER SALES WORKERS	420	0.77	N/A

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[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
DEPARTMENT STORES
SIC = 531
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	50,110	100.00	N/A
MANAGERS AND OFFICERS	4,330	8.64	N/A
MANAGER, MERCHANDISE	310	0.62	36
MANAGER, RETAIL STORE	2,090	4.17	29
MANAGER, AUTOMOBILE SERVICE DEPARTMENT	110	0.22	36
ALL OTHER MANAGERS	1,820	3.63	N/A
PROFESSIONAL OCCUPATIONS	1,190	2.37	N/A
SYSTEMS ANALYST, ELECTRONIC DATA PROCESSING	20	0.04	28
PURCHASING AGENT AND/OR BUYER	10	0.02	20
BUYER, RETAIL AND/OR WHOLESALE TRADE	640	1.28	27
ACCOUNTANTS AND AUDITORS	60	0.12	24
COMMERCIAL ARTIST	100	0.20	25
WRITER AND/OR EDITOR	80	0.16	32
PERSONNEL AND LABOR RELATIONS SPECIALISTS	180	0.36	20
PUBLIC RELATIONS PRACTITIONER	10	0.02	25
DESIGNER	40	0.08	47
ALL OTHER PROFESSIONAL WORKERS	50	0.10	N/A
TECHNICAL OCCUPATIONS	50	0.10	N/A
COMPUTER PROGRAMMER	40	0.08	25
DRAFTER	10	0.02	N/A
SERVICE WORKERS	2,820	5.63	N/A
JANITORS, PORTERS, AND CLEANERS	600	1.20	14
GUARDS AND DOORKEEPERS	300	0.60	30
DINING RM., CAFETERIA ATTEND., BARTENDER HELP	10	0.02	37
WAITER/WAITRESS	90	0.18	24
COUNTER ATTND.,LUNCHRM,COFFEE SHOP, CAFETERIA	110	0.22	40
COOK, RESTAURANT	20	0.04	27
PANTRY, SANDWICH AND/OR COFFEE MAKER	10	0.02	32
ALL OTHER FOOD SERVICE WORKERS	360	0.72	N/A
CHECKER, FITTING ROOM	190	0.38	27
STORE DETECTIVE	480	0.96	22
ALL OTHER SERVICE WORKERS	650	1.30	N/A
PRODUCTION AND MAINTENANCE WORKERS	8,500	16.96	N/A
BICYCLE REPAIRER	20	0.04	20
LAUNDRY MACHINE MECHANIC	30	0.06	38
MECHANIC, MAINTENANCE	260	0.52	16
TV, RADIO, AND/OR TAPE RECORDER REPAIRER	40	0.08	36
GAS AND ELECTRIC APPLIANCE REPAIRER	40	0.08	42
ALL OTHER MECHANICS AND REPAIRERS	590	1.18	N/A
TRUCK DRIVER	10	0.02	34
CARPENTER	20	0.04	18

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N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
DEPARTMENT STORES
SIC = 531
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
DELIVERY AND/OR ROUTE WORKER	10	0.02	35
MERCHANDISE DISPLAYER AND WINDOW TRIMMER	150	0.30	15
ELECTRICIAN	20	0.04	22
SUPERVISOR, NONWORKING	120	0.24	40
INDUSTRIAL TRUCK OPERATOR	100	0.20	36
MAINTENANCE REPAIRER, GENERAL UTILITY	40	0.08	22
ORDER FILLER	270	0.54	47
PAINTER, MAINTENANCE	20	0.04	19
ALTERATION TAILOR	130	0.26	23
WATCHMAKER	10	0.02	50
TIRE CHANGER	10	0.02	27
HOUSEHOLD APPLIANCE INSTALLER	20	0.04	49
STOCK CLERK, SALES FLOOR	5,280	10.54	33
FURNITURE FINISHER	20	0.04	26
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	700	1.40	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	70	0.14	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	520	1.04	N/A
CLERICAL OCCUPATIONS	14,970	29.87	N/A
COMPUTER OPERATOR	60	0.12	20
KEYPUNCH OPERATOR	300	0.60	27
PERIPHERAL EDP EQUIPMENT OPERATOR	40	0.08	34
ALL OTHER OFFICE MACHINE OPERATORS	110	0.22	N/A
ACCOUNTING CLERK	750	1.50	17
BOOKKEEPER, HAND	60	0.12	40
ADJUSTMENT CLERK	560	1.12	19
CASHIER	4,650	9.28	32
COLLECTOR	110	0.22	26
FILE CLERK	30	0.06	31
GENERAL OFFICE CLERK	1,020	2.04	19
CREDIT AUTHORIZER	260	0.52	27
ORDER CLERK	40	0.08	41
PAYROLL AND/OR TIMEKEEPING CLERK	100	0.20	47
PERSONNEL CLERK	100	0.20	26
RECEPTIONIST	10	0.02	17
SECRETARY	230	0.46	17
SERVICE CLERK	810	1.62	32
SWITCHBOARD OPERATOR	270	0.54	22
SWITCHBOARD OPERATOR/RECEPTIONIST	120	0.24	48
TYPIST	180	0.36	33
CLERICAL SUPERVISOR, OFFICE OR PLANT	420	0.84	31
ALL OTHER OFFICE CLERICAL WORKERS	960	1.92	N/A
SHIPPING PACKER	400	0.80	25
SHIPPING AND/OR RECEIVING CLERK	770	1.54	18
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	1,390	2.77	25
DISPATCHER, VEHICLE, SERVICE OR WORK	10	0.02	35

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N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
DEPARTMENT STORES
SIC = 531
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
MARKING CLERK	1,190	2.37	19
ALL OTHER PLANT CLERICAL WORKERS	20	0.04	N/A
SALES OCCUPATIONS	18,250	36.42	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	7,860	15.69	24
SALES CLERK	8,940	17.84	22
SALES CLERK SUPERVISOR	1,030	2.06	33
ALL OTHER SALES WORKERS	420	0.84	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
MISCELLANEOUS GENERAL MERCHANDISE STORES
SIC = 539
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	2,200	100.00	N/A
MANAGERS AND OFFICERS	220	10.00	N/A
MANAGER, MERCHANDISE	20	0.91	36
MANAGER, RETAIL STORE	160	7.27	14
ALL OTHER MANAGERS	40	1.82	N/A
PROFESSIONAL OCCUPATIONS	90	4.09	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	80	3.64	17
COMMERCIAL ARTIST	10	0.45	28
SERVICE WORKERS	40	1.82	N/A
JANITORS, PORTERS, AND CLEANERS	10	0.45	37
GUARDS AND DOORKEEPERS	10	0.45	28
ALL OTHER FOOD SERVICE WORKERS	20	0.91	N/A
PRODUCTION AND MAINTENANCE WORKERS	160	7.27	N/A
MECHANIC, SEWING MACHINE	10	0.45	N/A
TRUCK DRIVER	20	0.91	28
MAINTENANCE REPAIRER, GENERAL UTILITY	10	0.45	47
STOCK CLERK, SALES FLOOR	100	4.55	N/A
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	10	0.45	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	10	0.45	N/A
CLERICAL OCCUPATIONS	1,070	48.64	N/A
ACCOUNTING CLERK	50	2.27	22
BOOKKEEPER, HAND	40	1.82	20
CASHIER	340	15.45	12
SECRETARY	30	1.36	23
ALL OTHER OFFICE CLERICAL WORKERS	30	1.36	N/A
SHIPPING AND/OR RECEIVING CLERK	20	0.91	13
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	560	25.45	14
SALES OCCUPATIONS	620	28.18	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	30	1.36	N/A
SALES CLERK	590	26.82	13

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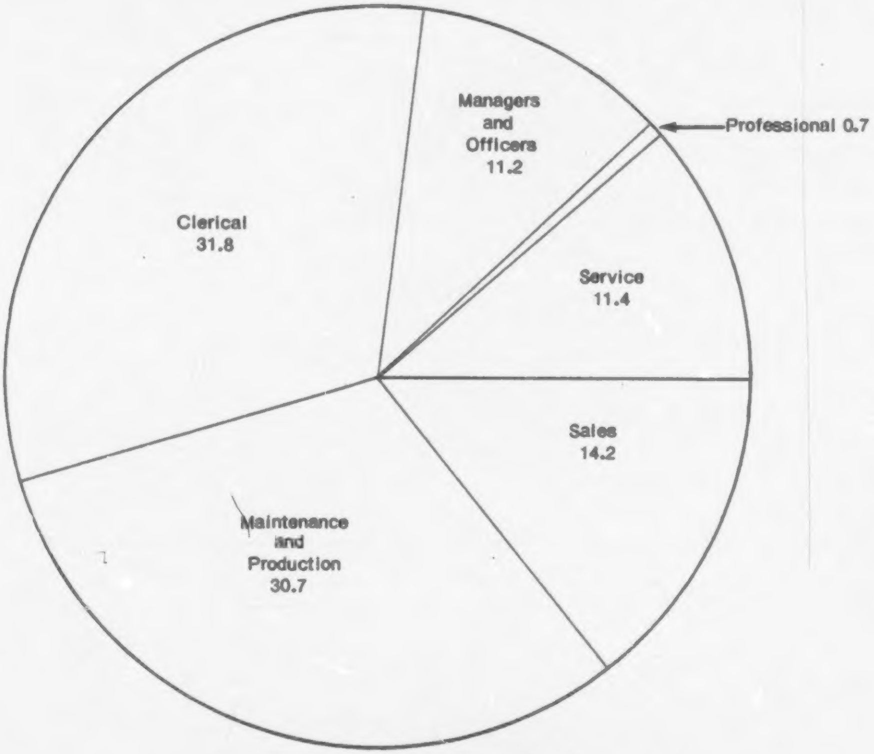
1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

FOOD STORES (SIC 54)

This major group includes stores primarily engaged in selling food for home preparation and consumption.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Cashier	19,160	6.	All Other Food Service Workers	4,310
2.	Stock Clerk, Floor Sales	12,240	7.	Butcher and/or Mea	2,470
3.	Sales Clerk	10,380	8.	All Other Laborers	1,690
4.	Manager, Store	8,030	9.	All Other Plant Clerical Workers	1,430
5.	Bagger	7,310	10.	Production Packager	1,190

These 10 occupations make up 87 percent of total industry employment.

SIC 54

This major group includes retail stores primarily engaged in selling food for home preparation and consumption.

Employment SIC 541, grocery stores, accounts for over 82 percent of employment in this group. The industry had a small increase in employment of about 2,200 since the survey in 1979. The number of establishments decreased by 586 during this same period with the average number of employees per establishment increasing from 19 to 23 continuing the trend towards larger supermarkets with wider assortments of food and merchandise.

There are over 19,000 employed as cashiers the largest occupation in the industry. Stock clerk the next largest occupation has over 12,000 people and together these two occupations employ 40 percent of the industry total. Cashier and stock clerk jobs are very significant occupations for the many people who desire part-time work. The industry also provides over 8,500 managerial positions or a manager for about every 9 people.

TABLE
OCCUPATIONS OF EMPLOYEES
FOOD STORES
SIC = 54
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	78,620	100.00	N/A
MANAGERS AND OFFICERS	8,790	11.18	N/A
MANAGER, MERCHANDISE	100	0.13	28
MANAGER, RETAIL STORE	8,030	10.21	15
ALL OTHER MANAGERS	660	0.84	N/A
PROFESSIONAL OCCUPATIONS	550	0.70	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	390	0.50	23
ALL OTHER PROFESSIONAL WORKERS	160	0.20	N/A
TECHNICAL OCCUPATIONS	20	0.03	N/A
SERVICE WORKERS	8,950	11.38	N/A
JANITORS, PORTERS, AND CLEANERS	560	0.71	20
BAKER, BREAD AND/OR PASTRY	1,140	1.45	23
BARTENDER	10	0.01	11
DINING RM., CAFETERIA ATTEND., BARTENDER HELP	20	0.03	10
BUTCHER AND/OR MEAT CUTTER	2,470	3.14	16
KITCHEN HELPER	430	0.55	35
ALL OTHER FOOD SERVICE WORKERS	4,310	5.48	N/A
ALL OTHER SERVICE WORKERS	10	0.01	N/A
PRODUCTION AND MAINTENANCE WORKERS	24,100	30.65	N/A
ALL OTHER MECHANICS AND REPAIRERS	90	0.11	N/A
TRUCK DRIVER	400	0.51	35
PRODUCTION PACKAGER, HAND OR MACHINE	1,190	1.51	34
BAGGER	7,310	9.30	10
SERVICE STATION OR FUEL PUMP ATTENDANT	90	0.11	N/A
STOCK CLERK, SALES FLOOR	12,240	15.57	11
BAKER	700	0.89	25
DOUGHNUT MAKER AND/OR MACHINE OPERATOR	180	0.23	32
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	110	0.14	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	100	0.13	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	1,690	2.15	N/A
CLERICAL OCCUPATIONS	25,040	31.85	N/A
ALL OTHER OFFICE MACHINE OPERATORS	90	0.11	N/A
ACCOUNTING CLERK	560	0.71	26
BOOKKEEPER, HAND	930	1.18	20
CASHIER	19,160	24.37	7
COLLECTOR	310	0.39	33
GENERAL OFFICE CLERK	1,090	1.39	24
SECRETARY	180	0.23	34
ALL OTHER OFFICE CLERICAL WORKERS	350	0.45	N/A
SHIPPING AND/OR RECEIVING CLERK	210	0.27	26

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
FOOD STORES
SIC = 54
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	730	0.93	31
ALL OTHER PLANT CLERICAL WORKERS	1,430	1.82	N/A
SALES OCCUPATIONS	11,170	14.21	N/A
SALES CLERK	10,380	13.20	12
ALL OTHER SALES WORKERS	790	1.00	N/A

[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
GROCERY STORES
SIC = 541
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	65,100	100.00	N/A
MANAGERS AND OFFICERS	7,450	11.44	N/A
MANAGER, MERCHANDISE	90	0.14	30
MANAGER, RETAIL STORE	6,830	10.49	18
ALL OTHER MANAGERS	530	0.81	N/A
PROFESSIONAL OCCUPATIONS	330	0.51	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	190	0.29	44
ALL OTHER PROFESSIONAL WORKERS	140	0.22	N/A
TECHNICAL OCCUPATIONS	20	0.03	N/A
COMPUTER PROGRAMMER	10	0.02	N/A
DRAFTER	10	0.02	N/A
SERVICE WORKERS	6,470	9.94	N/A
JANITORS, PORTERS, AND CLEANERS	330	0.51	31
BAKER, BREAD AND/OR PASTRY	290	0.45	39
BUTCHER AND/OR MEAT CUTTER	2,280	3.50	17
ALL OTHER FOOD SERVICE WORKERS	3,560	5.47	27
STORE DETECTIVE	10	0.02	N/A
PRODUCTION AND MAINTENANCE WORKERS	21,700	33.33	N/A
ALL OTHER MECHANICS AND REPAIRERS	90	0.14	N/A
PRODUCTION PACKAGER, HAND OR MACHINE	850	1.31	42
BAGGER	7,260	11.15	11
STOCK CLERK, SALES FLOOR	11,700	17.97	11
BAKER	150	0.23	38
DOUGHNUT MAKER AND/OR MACHINE OPERATOR	80	0.12	47
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	80	0.12	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	650	1.00	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	840	1.29	N/A
CLERICAL OCCUPATIONS	22,690	34.85	N/A
ALL OTHER OFFICE MACHINE OPERATORS	70	0.11	N/A
ACCOUNTING CLERK	480	0.74	30
BOOKKEEPER, HAND	660	1.01	28
CASHIER	17,590	27.02	7
COLLECTOR	310	0.48	33
GENERAL OFFICE CLERK	970	1.49	27
SECRETARY	150	0.23	40
ALL OTHER OFFICE CLERICAL WORKERS	290	0.45	N/A

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[1] - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
GROCERY STORES
SIC = 541
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
SHIPPING AND/OR RECEIVING CLERK	210	0.32	27
STOCK CLERK, STOCKROOM, WAREHOUSE, STORAGE YARD	570	0.88	39
MARKING CLERK	1,390	2.14	N/A
SALES OCCUPATIONS	6,440	9.89	N/A
SALES CLERK	5,890	9.05	20
ALL OTHER SALES WORKERS	550	0.84	N/A

[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
MEAT AND FISH(SEAFOOD) MARKETS, INCLUDING FREEZER PROVISIONERS
SIC = 542
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	2,030	100.00	N/A
MANAGER, RETAIL STORE	180	8.87	9
BUYER, RETAIL AND/OR WHOLESALE TRADE	60	2.96	N/A
SERVICE WORKERS	530	26.11	N/A
JANITORS, PORTERS, AND CLEANERS	40	1.97	38
BARTENDER	10	0.49	11
DINING RM., CAFETERIA ATTEND., BARTENDER HELP	20	0.99	10
BUTCHER AND/OR MEAT CUTTER	170	8.37	19
KITCHEN HELPER	50	2.46	25
WAITER/WAITRESS	80	3.94	31
COUNTER ATTND.,LUNCHRM,COFFEE SHOP, CAFETERIA	50	2.46	N/A
COOK, SHORT ORDER AND/OR SPECIALITY FAST FOOD	110	5.42	32
PRODUCTION AND MAINTENANCE WORKERS	160	7.88	N/A
TRUCK DRIVER	10	0.49	40
DELIVERY AND/OR ROUTE WORKER	20	0.99	49
PRODUCTION PACKAGER, HAND OR MACHINE	40	1.97	30
BAGGER	10	0.49	N/A
STOCK CLERK, SALES FLOOR	80	3.94	45
CLERICAL OCCUPATIONS	370	18.23	N/A
ACCOUNTING CLERK	20	0.99	43
BOOKKEEPER, HAND	60	2.96	18
CASHIER	210	10.34	14
GENERAL OFFICE CLERK	30	1.48	33
SECRETARY	10	0.49	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	40	1.97	N/A
SALES OCCUPATIONS	730	35.96	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	40	1.97	N/A
SALES CLERK	690	33.99	12

1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
FRUIT STORES AND VEGETABLE MARKETS
SIC = 543
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	1,920	100.00	N/A
MANAGERS AND OFFICERS	200	10.42	N/A
MANAGER, RETAIL STORE	190	9.90	8
ALL OTHER MANAGERS	10	0.52	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	50	2.60	15
SERVICE WORKERS	70	3.65	N/A
JANITORS, PORTERS, AND CLEANERS	20	1.04	N/A
ALL OTHER FOOD SERVICE WORKERS	50	2.60	N/A
PRODUCTION AND MAINTENANCE WORKERS	590	30.73	N/A
TRUCK DRIVER	40	2.08	20
DELIVERY AND/OR ROUTE WORKER	20	1.04	36
PRODUCTION PACKAGER, HAND OR MACHINE	30	1.56	48
BAGGER	40	2.08	30
STOCK CLERK, SALES FLOOR	350	18.23	11
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	30	1.56	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	80	4.17	N/A
CLERICAL OCCUPATIONS	710	36.98	N/A
ACCOUNTING CLERK	10	0.52	37
BOOKKEEPER, HAND	60	3.13	14
CASHIER	570	29.69	8
GENERAL OFFICE CLERK	20	1.04	27
SECRETARY	10	0.52	32
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	40	2.08	33
SALES OCCUPATIONS	300	15.63	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	30	1.56	43
SALES CLERK	270	14.06	16

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

# TABLE
# OCCUPATIONS OF EMPLOYEES
# CANDY, NUT AND CONFECTIONERY STORES
SIC = 544

REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	970	100.00	N/A
MANAGER, RETAIL STORE	110	11.34	6
BUYER, RETAIL AND/OR WHOLESALE TRADE	10	1.03	35
SERVICE WORKERS	50	5.15	N/A
JANITORS, PORTERS, AND CLEANERS	30	3.09	17
ALL OTHER FOOD SERVICE WORKERS	20	2.06	N/A
PRODUCTION AND MAINTENANCE WORKERS	70	7.22	N/A
DELIVERY AND/OR ROUTE WORKER	20	2.06	42
PRODUCTION PACKAGER, HAND OR MACHINE	30	3.09	43
ALL OTHER LABORERS AND UNSKILLED WORKERS	20	2.06	N/A
CLERICAL OCCUPATIONS	50	5.15	N/A
BOOKKEEPER, HAND	10	1.03	26
GENERAL OFFICE CLERK	10	1.03	33
ALL OTHER OFFICE CLERICAL WORKERS	10	1.03	N/A
ALL OTHER PLANT CLERICAL WORKERS	20	2.06	N/A
SALES CLERK	680	70.10	3

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1 - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
DAIRY PRODUCTS STORE
SIC = 545
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	1,480	100.00	N/A
MANAGERS AND OFFICERS	180	12.16	N/A
MANAGER, RETAIL STORE	170	11.49	8
ALL OTHER MANAGERS	10	0.68	N/A
PROFESSIONAL OCCUPATIONS	20	1.35	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	10	0.68	31
ALL OTHER PROFESSIONAL WORKERS	10	0.68	N/A
SERVICE WORKERS	180	12.16	N/A
COOK, SHORT ORDER AND/OR SPECIALITY FAST FOOD	30	2.03	38
ALL OTHER FOOD SERVICE WORKERS	150	10.14	N/A
PRODUCTION AND MAINTENANCE WORKERS	160	10.81	N/A
TRUCK DRIVER	10	0.68	N/A
ORDER FILLER	10	0.68	N/A
SERVICE STATION OR FUEL PUMP ATTENDANT	90	6.08	N/A
STOCK CLERK, SALES FLOOR	10	0.68	22
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	10	0.68	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	10	0.68	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	20	1.35	N/A
CLERICAL OCCUPATIONS	550	37.16	N/A
BOOKKEEPER, HAND	10	0.68	37
CASHIER	510	34.46	9
GENERAL OFFICE CLERK	20	1.35	50
ALL OTHER OFFICE CLERICAL WORKERS	10	0.68	N/A
SALES OCCUPATIONS	390	26.35	N/A
SALES CLERK	350	23.65	13
ALL OTHER SALES WORKERS	40	2.70	N/A

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[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
RETAIL BAKERIES
SIC = 546
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	5,910	100.00	N/A
MANAGERS AND OFFICERS	440	7.45	N/A
MANAGER, RETAIL STORE	350	5.92	17
ALL OTHER MANAGERS	90	1.52	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	20	0.34	N/A
SERVICE WORKERS	1,550	26.23	N/A
JANITORS, PORTERS, AND CLEANERS	140	2.37	N/A
BAKER, BREAD AND/OR PASTRY	830	14.04	28
ALL OTHER FOOD SERVICE WORKERS	580	9.81	N/A
PRODUCTION AND MAINTENANCE WORKERS	1,310	22.17	N/A
ALL OTHER MECHANICS AND REPAIRERS	10	0.17	N/A
BAKER	550	9.31	30
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	160	2.71	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	260	4.40	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	330	5.58	N/A
CLERICAL OCCUPATIONS	350	5.92	N/A
SALES OCCUPATIONS	2,240	37.90	N/A
SALES CLERK	2,130	36.04	18
ALL OTHER SALES WORKERS	110	1.86	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
MISCELLANEOUS FOOD STORES
SIC = 549
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	1,360	100.00	N/A
MANAGERS AND OFFICERS	230	16.91	N/A
MANAGER, RETAIL STORE	200	14.71	19
ALL OTHER MANAGERS	30	2.21	N/A
PROFESSIONAL OCCUPATIONS	70	5.15	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	60	4.41	50
ALL OTHER PROFESSIONAL WORKERS	10	0.74	N/A
TECHNICAL OCCUPATIONS	10	0.74	N/A
SERVICE WORKERS	120	8.82	N/A
PRODUCTION AND MAINTENANCE WORKERS	150	11.03	N/A
TRUCK DRIVER	10	0.74	N/A
DELIVERY AND/OR ROUTE WORKER	10	0.74	43
ALL OTHER LABORERS AND UNSKILLED WORKERS	130	9.56	N/A
CLERICAL OCCUPATIONS	390	28.68	N/A
ALL OTHER OFFICE MACHINE OPERATORS	10	0.74	N/A
BOOKKEEPER, HAND	30	2.21	31
CASHIER	190	13.97	37
GENERAL OFFICE CLERK	10	0.74	47
ALL OTHER OFFICE CLERICAL WORKERS	100	7.35	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	30	2.21	42
ALL OTHER PLANT CLERICAL WORKERS	20	1.47	N/A
SALES OCCUPATIONS	390	28.68	N/A
SALES CLERK	370	27.21	17
ALL OTHER SALES WORKERS	20	1.47	N/A

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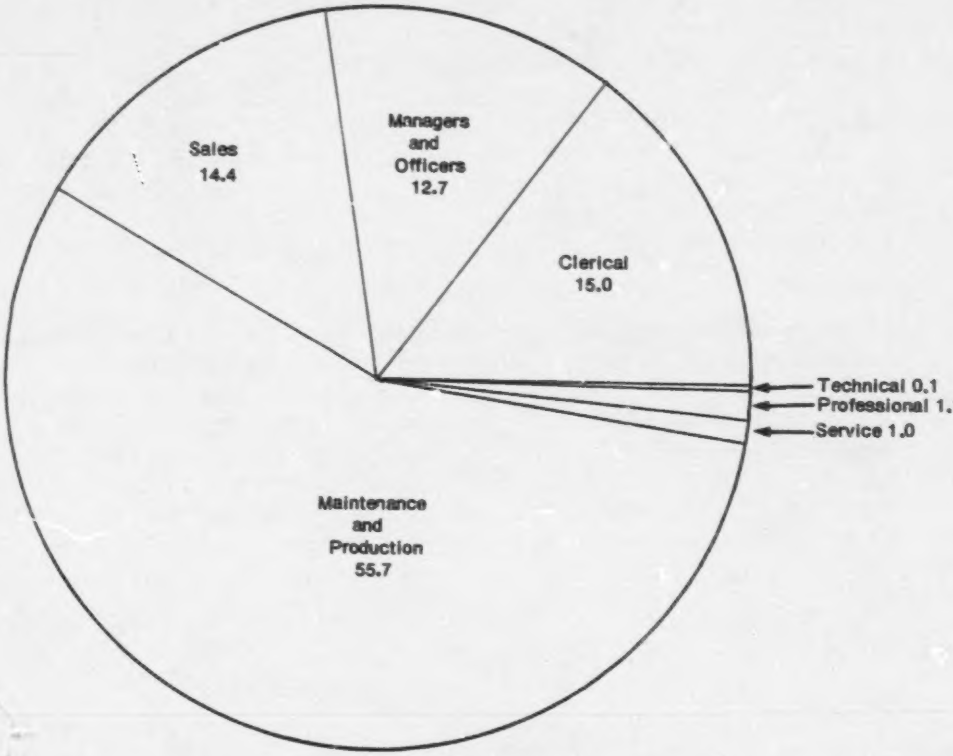
1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

AUTOMOTIVE DEALERS AND GASOLINE SERVICE STATIONS (SIC 55)

This major group includes retail dealers selling new and used automobiles, boats, recreational and utility trailers, and motorcycles; those selling new automobile parts and accessories; and gasoline service stations.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Fuel Pump Attendant	8,320	6.	Body Repairer, Automotive	1,420
2.	Mechanic, Automotive	6,930	7.	Sales Clerk	1,350
3.	Sales Representative	4,180	8.	Stock Clerk, Stockroom	1,210
4.	Manager, Store	2,180	9.	Bookkeeper, Hand	1,090
5.	Manager, Automotive Service	1,490	10.	General Clerk, Office	1,060

These 10 occupations make up 75 percent of total industry employment.

SIC 55

This major group includes retail dealers selling new and used automobiles, boats, recreational and utility trailers and motorcycles; those selling new automotive parts and accessories; and gasoline service stations.

Motor Vehicle Dealers (SIC 551), the largest single-product employer in retail trade having 1 of every 25 workers, has seen its employment decrease over 13 percent since our 1979 survey period. Inflation and higher gasoline costs sent domestic car sales plummeting and import sales soaring to 28 percent of the market in 1982. This dislocation caused the number of dealerships to decrease from 860 in 1978 to 809 in 1980 and 750 by 1982. In terms of occupations, mechanics had the greatest decline (1,450) since 1979 and managers declined by approximately 1,000. Employment in this sector is expected to remain flat through the rest of the decade, showing growth of less than 2 percent.

Employment in gasoline service stations (SIC 554) has rebounded since declining 2,000 between 1978 and 1979 and is now ahead of 1979 employment by 4 percent. In spite of the introduction of self service stations, fuel pump attendants have maintained their employment share (greater than 50 percent). It appears the mechanic has suffered this changeover to self service, dropping employment share from 18 to 15 percent. Their drop may be voluntary, however, lured by the increased penetration of general merchandise stores (K Mart, Zayers, etc.) into the automotive services business.

TABLE
OCCUPATIONS OF EMPLOYEES
AUTOMOTIVE DEALERS AND GASOLINE SERVICE STATIONS
SIC = 55
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	38,730	100.00	N/A
MANAGERS AND OFFICERS	4,920	12.70	N/A
MANAGER, RETAIL STORE	2,180	5.63	9
MANAGER, AUTOMOBILE SERVICE DEPARTMENT	1,490	3.85	8
MANAGER, AUTOMOTIVE PARTS DEPARTMENT	990	2.56	10
ALL OTHER MANAGERS	260	0.67	N/A
PROFESSIONAL OCCUPATIONS	430	1.11	N/A
ACCOUNTANTS AND AUDITORS	420	1.08	14
ALL OTHER PROFESSIONAL WORKERS	10	0.03	N/A
TECHNICAL OCCUPATIONS	10	0.03	N/A
JANITORS, PORTERS, AND CLEANERS	380	0.98	24
PRODUCTION AND MAINTENANCE WORKERS	21,590	55.74	N/A
MECHANIC, AUTOMOTIVE	6,930	17.89	6
AUTOMOTIVE BODY REPAIRER	1,420	3.67	15
MARINE MECHANIC AND/OR REPAIRER	60	0.15	31
MOTORBOAT MECHANIC	70	0.18	20
ALL OTHER MECHANICS AND REPAIRERS	120	0.31	N/A
TRUCK DRIVER	290	0.75	34
AUTOMOBILE REPAIR-SERVICE ESTIMATOR	170	0.44	30
CLEANER, VEHICLE	780	2.01	17
SUPERVISOR, NONWORKING	440	1.14	22
HELPER, TRADES	740	1.91	20
PAINTER, AUTOMOTIVE	190	0.49	31
TIRE FABRICATOR AND/OR REPAIRER	130	0.34	34
SERVICE STATION OR FUEL PUMP ATTENDANT	8,320	21.48	9
TIRE CHANGER	800	2.07	17
MOBILE HOME REPAIRER	40	0.10	19
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	100	0.26	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	230	0.59	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	760	1.96	N/A
CLERICAL OCCUPATIONS	5,820	15.03	N/A
ALL OTHER OFFICE MACHINE OPERATORS	30	0.08	N/A
ACCOUNTING CLERK	460	1.19	20
BOOKKEEPER, HAND	1,090	2.81	11
GENERAL OFFICE CLERK	1,060	2.74	15
SECRETARY	360	0.93	20
SERVICE CLERK	740	1.91	21
ALL OTHER OFFICE CLERICAL WORKERS	850	2.19	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	1,210	3.12	14
ALL OTHER PLANT CLERICAL WORKERS	20	0.05	N/A

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[1] - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
AUTOMOTIVE DEALERS AND GASOLINE SERVICE STATIONS
SIC = 55
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
SALES OCCUPATIONS	5,580	14.41	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	4,180	10.79	6
SALES CLERK	1,350	3.49	29
ALL OTHER SALES WORKERS	50	0.13	N/A

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[1] - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
MOTOR VECHICLE DEALERS (NEW AND USED)
SIC = 551
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	17,310	100.00	N/A
MANAGERS AND OFFICERS	2,500	14.44	N/A
MANAGER, RETAIL STORE	930	5.37	15
MANAGER, AUTOMOBILE SERVICE DEPARTMENT	830	4.79	8
MANAGER, AUTOMOTIVE PARTS DEPARTMENT	580	3.35	8
ALL OTHER MANAGERS	160	0.92	N/A
PROFESSIONAL OCCUPATIONS	320	1.85	N/A
ACCOUNTANTS AND AUDITORS	310	1.79	17
PUBLIC RELATIONS PRACTITIONER	10	0.06	N/A
JANITORS, PORTERS, AND CLEANERS	350	2.02	25
PRODUCTION AND MAINTENANCE WORKERS	6,990	40.38	N/A
MECHANIC, AUTOMOTIVE	3,670	21.20	4
AUTOMOTIVE BODY REPAIRER	1,220	7.05	16
DIESEL MECHANIC	100	0.58	N/A
TRUCK DRIVER	40	0.23	43
AUTOMOBILE REPAIR-SERVICE ESTIMATOR	130	0.75	36
CLEANER, VEHICLE	590	3.41	16
DELIVERY AND/OR ROUTE WORKER	100	0.58	41
SUPERVISOR, NONWORKING	270	1.56	28
MACHINIST	10	0.06	N/A
HELPER, TRADES	480	2.77	28
PAINTER, AUTOMOTIVE	160	0.92	35
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	70	0.40	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	150	0.87	N/A
CLERICAL OCCUPATIONS	3,340	19.30	N/A
COMPUTER OPERATOR	20	0.12	N/A
ACCOUNTING CLERK	260	1.50	30
BOOKKEEPER, HAND	330	1.91	20
CASHIER	240	1.39	21
GENERAL OFFICE CLERK	680	3.93	17
SECRETARY	240	1.39	28
SERVICE CLERK	620	3.58	24
ALL OTHER OFFICE CLERICAL WORKERS	110	0.64	N/A
SHIPPING AND/OR RECEIVING CLERK	20	0.12	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	820	4.74	17
SALES OCCUPATIONS	3,810	22.01	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	3,490	20.16	7
ALL OTHER SALES WORKERS	320	1.85	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE

OCCUPATIONS OF EMPLOYEES

MOTOR VECHICLE DEALERS (USED ONLY)

SIC = 552

REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	1,130	100.00	N/A
MANAGERS AND OFFICERS	200	17.70	N/A
MANAGER, RETAIL STORE	100	8.85	16
MANAGER, AUTOMOBILE SERVICE DEPARTMENT	80	7.08	12
MANAGER, AUTOMOTIVE PARTS DEPARTMENT	20	1.77	33
ACCOUNTANTS AND AUDITORS	10	0.88	N/A
JANITORS, PORTERS, AND CLEANERS	10	0.88	45
PRODUCTION AND MAINTENANCE WORKERS	630	55.75	N/A
MECHANIC, AUTOMOTIVE	220	19.47	11
AUTOMOTIVE BODY REPAIRER	110	9.73	21
TRUCK DRIVER	50	4.42	47
CLEANER, VEHICLE	90	7.96	15
DELIVERY AND/OR ROUTE WORKER	10	0.88	43
SUPERVISOR, NONWORKING	20	1.77	38
HELPER, TRADES	50	4.42	24
PAINTER, AUTOMOTIVE	20	1.77	42
SERVICE STATION OR FUEL PUMP ATTENDANT	20	1.77	44
ALL OTHER LABORERS AND UNSKILLED WORKERS	40	3.54	N/A
CLERICAL OCCUPATIONS	150	13.27	N/A
ACCOUNTING CLERK	10	0.88	47
BOOKKEEPER, HAND	60	5.31	15
GENERAL OFFICE CLERK	20	1.77	29
SECRETARY	40	3.54	22
ALL OTHER OFFICE CLERICAL WORKERS	10	0.88	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	10	0.88	N/A
SALES OCCUPATIONS	130	11.50	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	120	10.62	14
SALES CLERK	10	0.88	N/A

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1 - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
GASOLINE SERVICE STATIONS
SIC = 554
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	13,970	100.00	N/A
MANAGERS AND OFFICERS	1,060	7.59	N/A
MANAGER, RETAIL STORE	550	3.94	25
MANAGER, AUTOMOBILE SERVICE DEPARTMENT	390	2.79	26
MANAGER, AUTOMOTIVE PARTS DEPARTMENT	100	0.72	44
ALL OTHER MANAGERS	20	0.14	N/A
ACCOUNTANTS AND AUDITORS	20	0.14	N/A
JANITORS, PORTERS, AND CLEANERS	10	0.07	N/A
PRODUCTION AND MAINTENANCE WORKERS	11,240	80.46	N/A
MECHANIC, AUTOMOTIVE	2,170	15.53	17
AUTOMOTIVE BODY REPAIRER	70	0.50	N/A
SUPERVISOR, NONWORKING	130	0.93	47
SERVICE STATION OR FUEL PUMP ATTENDANT	8,190	58.63	9
TIRE CHANGER	110	0.79	45
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	400	2.86	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	170	1.22	N/A
CLERICAL OCCUPATIONS	1,150	8.23	N/A
BOOKKEEPER, HAND	470	3.36	21
ALL OTHER OFFICE CLERICAL WORKERS	670	4.80	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	10	0.07	N/A
SALES OCCUPATIONS	490	3.51	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
MEN'S AND BOYS' CLOTHING & FURNISHINGS STORES
SIC = 561
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	3,950	100.00	N/A
MANAGERS AND OFFICERS	490	12.41	N/A
MANAGER, RETAIL STORE	440	11.14	32
ALL OTHER MANAGERS	50	1.27	N/A
PROFESSIONAL OCCUPATIONS	140	3.54	N/A
SYSTEMS ANALYST, ELECTRONIC DATA PROCESSING	10	0.25	N/A
ALL OTHER PROFESSIONAL WORKERS	130	3.29	N/A
COMPUTER PROGRAMMER	10	0.25	N/A
JANITORS, PORTERS, AND CLEANERS	30	0.76	48
PRODUCTION AND MAINTENANCE WORKERS	520	13.16	N/A
ALTERATION TAILOR	330	8.35	25
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	10	0.25	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	20	0.51	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	160	4.05	N/A
CLERICAL OCCUPATIONS	710	17.97	N/A
ALL OTHER OFFICE MACHINE OPERATORS	30	0.76	N/A
BOOKKEEPER, HAND	90	2.28	50
CASHIER	200	5.06	40
ALL OTHER OFFICE CLERICAL WORKERS	360	9.11	N/A
SHIPPING AND/OR RECEIVING CLERK	10	0.25	42
ALL OTHER PLANT CLERICAL WORKERS	20	0.51	N/A
SALES OCCUPATIONS	2,050	51.90	N/A
SALES CLERK	1,510	38.23	34
ALL OTHER SALES WORKERS	540	13.67	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
WOMEN'S READY-TO-WEAR STORES
SIC = 562
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	11,250	100.00	N/A
MANAGERS AND OFFICERS	1,380	12.27	N/A
MANAGER, MERCHANDISE	120	1.07	37
MANAGER, RETAIL STORE	1,190	10.58	14
ALL OTHER MANAGERS	70	0.62	38
PROFESSIONAL OCCUPATIONS	390	3.47	N/A
PURCHASING AGENT AND/OR BUYER	10	0.09	41
BUYER, RETAIL AND/OR WHOLESALE TRADE	260	2.31	26
COMMERCIAL ARTIST	20	0.18	42
PERSONNEL AND LABOR RELATIONS SPECIALISTS	10	0.09	50
ALL OTHER PROFESSIONAL WORKERS	90	0.80	N/A
TECHNICAL OCCUPATIONS	40	0.36	N/A
COMPUTER PROGRAMMER	30	0.27	50
ALL OTHER ENGINEERING TECHNICIANS	10	0.09	N/A
ALL OTHER TECHNICIANS	20	0.18	N/A
SERVICE WORKERS	170	1.51	N/A
JANITORS, PORTERS, AND CLEANERS	140	1.24	30
WAITER/WAITRESS	20	0.18	N/A
ALL OTHER SERVICE WORKERS	10	0.09	N/A
PRODUCTION AND MAINTENANCE WORKERS	580	5.16	N/A
ORDER FILLER	80	0.71	40
ALTERATION TAILOR	250	2.22	38
STOCK CLERK, SALES FLOOR	160	1.42	N/A
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	70	0.62	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	20	0.18	N/A
CLERICAL OCCUPATIONS	2,200	19.56	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	30	0.27	46
KEYPUNCH OPERATOR	80	0.71	34
ALL OTHER OFFICE MACHINE OPERATORS	50	0.44	N/A
ACCOUNTING CLERK	160	1.42	45
BOOKKEEPER, HAND	100	0.89	37
CASHIER	870	7.73	33
COLLECTOR	20	0.18	43
GENERAL OFFICE CLERK	120	1.07	35
PAYROLL AND/OR TIMEKEEPING CLERK	30	0.27	46
PERSONNEL CLERK	10	0.09	39
CREDIT REFERENCE CLERK	30	0.27	45
SECRETARY	70	0.62	45
SERVICE CLERK	20	0.18	44
SWITCHBOARD OPERATOR/RECEPTIONIST	10	0.09	41

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[1] - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
WOMEN'S READY-TO-WEAR STORES
SIC = 562
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TYPIST	50	0.44	45
ALL OTHER OFFICE CLERICAL WORKERS	90	0.80	N/A
SHIPPING AND/OR RECEIVING CLERK	60	0.53	36
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	150	1.33	43
MARKING CLERK	200	1.78	44
ALL OTHER PLANT CLERICAL WORKERS	50	0.44	N/A
SALES OCCUPATIONS	6,490	57.69	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	1,120	9.96	41
SALES CLERK	4,930	43.82	14
SALES CLERK SUPERVISOR	80	0.71	42
ALL OTHER SALES WORKERS	360	3.20	N/A

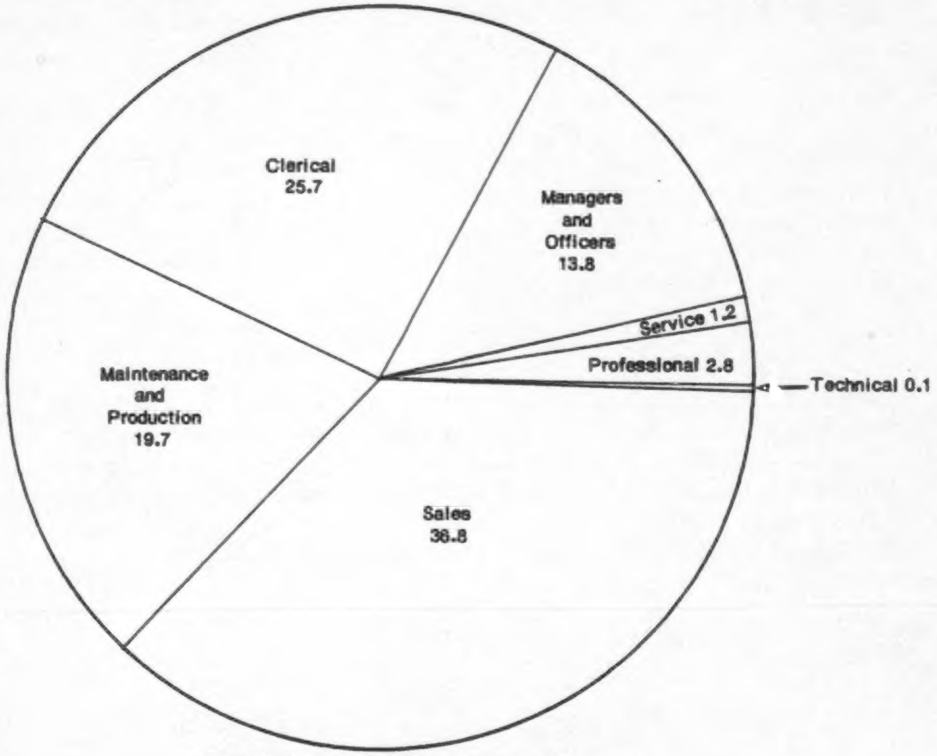
1 - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

FURNITURE AND HOME FURNISHING STORES (SIC 57)

This major group includes retail stores selling goods used for furnishing the home, such as furniture, floor coverings, draperies glass and chinaware, domestic stoves, refrigerators, and other household electrical and gas appliances.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Sales Representative	2,930	6.	Delivery and Route Worker	480
2.	Sales Clerk	2,240	7.	Bookkeeper, Hand	450
3.	Manager, Store	1,530	8.	All Other Office Clerical Workers	450
4.	General Clerk, Office	690	9.	Cashier	390
5.	Stock Clerk, Stockroom	620	10.	Truck Driver	380

These 10 occupations make up 70 percent of total industry employment.

(SIC 57)

This major retail sector, employing approximately 14,500, is largely dependent on the building of residential construction and the formation of new families. Both of these factors have been suffering recently from the high levels of inflation, interest rates and unemployment. The formation of new family units, for example, has actually shown a decline for the first time in 40 years, as measured by the Bureau of the Census. The Bureau attributes the above cited reasons for this decline. Residential construction has been in a slump for a number of years and the recent turnabout has been fragile.

Employment in this industry has been falling since our 1979 survey round when it stood at 16,280; employment averaged 15,400 in 1980 and dropped to 14,500 in June of 1982. The number of establishments in this industry averaged 2,209 in 1978, but only 1,188 in 1982. Employment, however, is expected to rebound during the rest of the 1980's to 16,500 with the expectation that lower inflation and interest rates will spur residential construction.

A volatile component of this industry is Radio, Television and Music Stores (SIC 573), which are primarily engaged in the retail sale of radios, television sets, high fidelity and sound reproducing equipment, records and tapes. There has been a large turnover in business because of the competitiveness of the industry and the decline in sales of stereo components, records and tapes; but the recent popularity of video components could boast employment once again.

TABLE
OCCUPATIONS OF EMPLOYEES
FURNITURE, HOME FURNISHINGS AND EQUIPMENT STORES
SIC = 57
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	14,450	100.00	N/A
MANAGERS AND OFFICERS	1,990	13.77	N/A
MANAGER, MERCHANDISE	340	2.35	19
MANAGER, RETAIL STORE	1,530	10.59	9
MANAGER, AUTOMOTIVE PARTS DEPARTMENT	10	0.07	N/A
ALL OTHER MANAGERS	110	0.76	N/A
PROFESSIONAL OCCUPATIONS	400	2.77	N/A
MECHANICAL ENGINEER	10	0.07	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	290	2.01	N/A
PERSONNEL AND LABOR RELATIONS SPECIALISTS	10	0.07	14
DESIGNER	50	0.35	47
ALL OTHER PROFESSIONAL WORKERS	40	0.28	N/A
ELECTRICAL AND ELECTRONIC TECHNICIANS	10	0.07	47
SERVICE WORKERS	170	1.18	N/A
JANITORS, PORTERS, AND CLEANERS	140	0.97	34
GUARDS AND DOORKEEPERS	10	0.07	11
COUNTER ATTND.,LUNCHRM,COFFEE SHOP, CAFETERIA	10	0.07	N/A
STORE DETECTIVE	10	0.07	N/A
PRODUCTION AND MAINTENANCE WORKERS	2,840	19.65	N/A
TV, RADIO, AND/OR TAPE RECORDER REPAIRER	310	2.15	38
GAS AND ELECTRIC APPLIANCE REPAIRER	170	1.18	41
ALL OTHER MECHANICS AND REPAIRERS	160	1.11	N/A
TRUCK DRIVER	380	2.63	25
CARPET CUTTER AND/OR CARPET LAYER	340	2.35	41
DELIVERY AND/OR ROUTE WORKER	480	3.32	34
SUPERVISOR, NONWORKING	80	0.55	30
INDUSTRIAL TRUCK OPERATOR	10	0.07	47
ORDER FILLER	70	0.48	49
ALTERATION TAILOR	10	0.07	N/A
HOUSEHOLD APPLIANCE INSTALLER	10	0.07	20
STOCK CLERK, SALES FLOOR	140	0.97	47
FURNITURE FINISHER	150	1.04	28
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	10	0.07	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	250	1.73	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	270	1.87	N/A
CLERICAL OCCUPATIONS	3,720	25.74	N/A
ALL OTHER OFFICE MACHINE OPERATORS	40	0.28	N/A
ACCOUNTING CLERK	20	0.14	27
BOOKKEEPER, HAND	450	3.11	21
BOOKKEEPER, HAND	450	3.11	21

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
FURNITURE, HOME FURNISHINGS AND EQUIPMENT STORES
SIC = 57
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ADJUSTMENT CLERK	30	0.21	N/A
CASHIER	390	2.70	34
GENERAL OFFICE CLERK	690	4.78	19
CREDIT AUTHORIZER	30	0.21	11
ORDER CLERK	20	0.14	48
PERSONNEL CLERK	10	0.07	33
CREDIT REFERENCE CLERK	20	0.14	49
SECRETARY	150	1.04	35
SERVICE CLERK	80	0.55	16
SWITCHBOARD OPERATOR	20	0.14	30
CLERICAL SUPERVISOR, OFFICE OR PLANT	190	1.31	26
ALL OTHER OFFICE CLERICAL WORKERS	450	3.11	N/A
SHIPPING PACKER	120	0.83	31
SHIPPING AND/OR RECEIVING CLERK	150	1.04	28
WEIGHER, RECORDKEEPING	20	0.14	49
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	620	4.29	17
ALL OTHER PLANT CLERICAL WORKERS	10	0.07	N/A
SALES OCCUPATIONS	5,320	36.82	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	2,930	20.28	12
SALES CLERK	2,240	15.50	21
SALES CLERK SUPERVISOR	40	0.28	N/A
ALL OTHER SALES WORKERS	110	0.76	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
FURNITURE, HOME FURNISHINGS AND EQUIPMENT STORES EXCEPT APPLIANCES
SIC = 571
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	9,120	100.00	N/A
MANAGERS AND OFFICERS	1,300	14.25	N/A
MANAGER, MERCHANDISE	270	2.96	20
MANAGER, RETAIL STORE	970	10.64	12
ALL OTHER MANAGERS	60	0.66	N/A
PROFESSIONAL OCCUPATIONS	280	3.07	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	220	2.41	24
DESIGNER	50	0.55	47
ALL OTHER PROFESSIONAL WORKERS	10	0.11	N/A
SERVICE WORKERS	140	1.54	N/A
JANITORS, PORTERS, AND CLEANERS	110	1.21	36
GUARDS AND DOORKEEPERS	10	0.11	11
COUNTER ATTND.,LUNCHRM,COFFEE SHOP, CAFETERIA	10	0.11	N/A
STORE DETECTIVE	10	0.11	N/A
PRODUCTION AND MAINTENANCE WORKERS	1,770	19.41	N/A
ALL OTHER MECHANICS AND REPAIRERS	40	0.44	N/A
TRUCK DRIVER	370	4.06	26
CARPET CUTTER AND/OR CARPET LAYER	340	3.73	41
DELIVERY AND/OR ROUTE WORKER	330	3.62	40
SUPERVISOR, NONWORKING	50	0.55	48
ALTERATION TAILOR	10	0.11	N/A
STOCK CLERK, SALES FLOOR	130	1.43	48
FURNITURE FINISHER	150	1.64	28
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	60	0.66	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	100	1.10	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	190	2.08	N/A
CLERICAL OCCUPATIONS	2,280	25.00	N/A
ACCOUNTING CLERK	120	1.32	33
BOOKKEEPER, HAND	260	2.85	22
ADJUSTMENT CLERK	10	0.11	N/A
CASHIER	330	3.62	37
GENERAL OFFICE CLERK	510	5.59	19
CREDIT AUTHORIZER	10	0.11	36
SECRETARY	90	0.99	41
SERVICE CLERK	20	0.22	46
SWITCHBOARD OPERATOR	10	0.11	28

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
FURNITURE, HOME FURNISHINGS AND EQUIPMENT STORES EXCEPT APPLIANCES
SIC = 571
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
CLERICAL SUPERVISOR, OFFICE OR PLANT	110	1.21	35
ALL OTHER OFFICE CLERICAL WORKERS	120	1.32	N/A
SHIPPING PACKER	70	0.77	43
SHIPPING AND/OR RECEIVING CLERK	110	1.21	29
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	510	5.59	19
SALES OCCUPATIONS	3,350	36.73	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	2,100	23.03	11
SALES CLERK	1,210	13.27	32
SALES CLERK SUPERVISOR	40	0.44	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
HOUSEHOLD APPLIANCE STORES
SIC = 572
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	2,180	100.00	N/A
MANAGERS AND OFFICERS	220	10.09	N/A
MANAGER, RETAIL STORE	140	6.42	26
MANAGER, AUTOMOTIVE PARTS DEPARTMENT	10	0.46	N/A
ALL OTHER MANAGERS	70	3.21	N/A
PROFESSIONAL OCCUPATIONS	30	1.38	N/A
PERSONNEL AND LABOR RELATIONS SPECIALISTS	10	0.46	N/A
ALL OTHER PROFESSIONAL WORKERS	20	0.92	N/A
JANITORS, PORTERS, AND CLEANERS	10	0.46	N/A
PRODUCTION AND MAINTENANCE WORKERS	510	23.39	N/A
TV, RADIO, AND/OR TAPE RECORDER REPAIRER	90	4.13	35
GAS AND ELECTRIC APPLIANCE REPAIRER	120	5.50	50
ALL OTHER MECHANICS AND REPAIRERS	160	7.34	N/A
SUPERVISOR, NONWORKING	10	0.46	20
HOUSEHOLD APPLIANCE INSTALLER	10	0.46	20
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	60	2.75	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	60	2.75	N/A
CLERICAL OCCUPATIONS	850	38.99	N/A
PERIPHERAL EDP EQUIPMENT OPERATOR	10	0.46	N/A
ALL OTHER OFFICE MACHINE OPERATORS	20	0.92	N/A
ACCOUNTING CLERK	10	0.46	28
ADJUSTMENT CLERK	20	0.92	N/A
COLLECTOR	10	0.46	N/A
CREDIT AUTHORIZER	20	0.92	N/A
CREDIT REFERENCE CLERK	10	0.46	N/A
SERVICE CLERK	70	3.21	16
CLERICAL SUPERVISOR, OFFICE OR PLANT	60	2.75	45
ALL OTHER OFFICE CLERICAL WORKERS	540	24.77	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	60	2.75	18
ALL OTHER PLANT CLERICAL WORKERS	20	0.92	N/A
SALES OCCUPATIONS	560	25.69	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	250	11.47	39
ALL OTHER SALES WORKERS	310	14.22	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
RADIO, TELEVISION & MUSIC STORES
SIC = 573
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	3,230	100.00	N/A
MANAGERS AND OFFICERS	480	14.86	N/A
MANAGER, RETAIL STORE	430	13.31	17
ALL OTHER MANAGERS	50	1.55	N/A
PROFESSIONAL OCCUPATIONS	90	2.79	N/A
ELECTRICAL AND ELECTRONIC TECHNICIANS	10	0.31	47
JANITORS, PORTERS, AND CLEANERS	20	0.62	N/A
PRODUCTION AND MAINTENANCE WORKERS	570	17.65	N/A
ALL OTHER MECHANICS AND REPAIRERS	270	8.36	N/A
SUPERVISOR, NONWORKING	20	0.62	20
INDUSTRIAL TRUCK OPERATOR	10	0.31	47
ORDER FILLER	70	2.17	49
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	120	3.72	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	80	2.48	N/A
CLERICAL OCCUPATIONS	630	19.50	N/A
PERIPHERAL EDP EQUIPMENT OPERATOR	20	0.62	N/A
ACCOUNTING CLERK	100	3.10	45
BOOKKEEPER, HAND	160	4.95	46
ORDER CLERK	20	0.62	48
ALL OTHER OFFICE CLERICAL WORKERS	180	5.57	N/A
SHIPPING PACKER	50	1.55	45
WEIGHER, RECORDKEEPING	20	0.62	49
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	50	1.55	44
ALL OTHER PLANT CLERICAL WORKERS	30	0.93	N/A
SALES OCCUPATIONS	1,430	44.27	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	590	18.27	45
SALES CLERK	830	25.70	29
ALL OTHER SALES WORKERS	10	0.31	47

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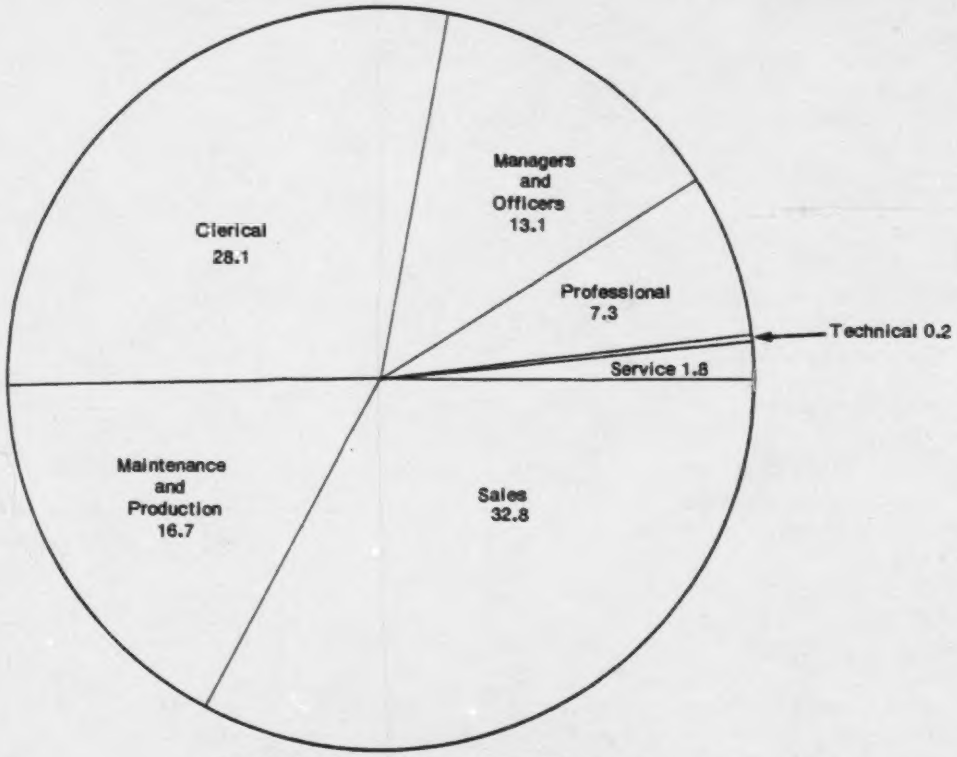
1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

MISCELLANEOUS RETAIL (SIC 59)

This major group includes retail establishments not elsewhere classified, including drug stores, liquor stores, used merchandise stores, nonstore retailers, fuel and ice dealers, and other miscellaneous retailers.

PERCENTAGE DISTRIBUTION OF EMPLOYMENT BY MAJOR OCCUPATIONAL CATEGORY



Ranked Occupational Employment

1.	Sales Clerk	16,350	6.	Stock Clerk, Sales Floor	2,340
2.	Cashier	8,160	7.	Delivery and Route Worker	2,050
3.	Manager, Store	6,950	8.	Bookkeeper, Hand	1,910
4.	Sales Representative	4,490	9.	General Clerk, Office	1,570
5.	Pharmacist	2,760	10.	Oil Burner Installer and Servicer	1,360

These 10 occupations make up 74 percent of total industry employment.

TABLE
OCCUPATIONS OF EMPLOYEES
MISCELLANEOUS RETAIL STORES
SIC = 59
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	64,990	100.00	N/A
MANAGERS AND OFFICERS	8,510	13.09	N/A
MANAGER, MERCHANDISE	1,160	1.78	13
MANAGER, RETAIL STORE	6,950	10.69	5
ALL OTHER MANAGERS	400	0.62	N/A
PROFESSIONAL OCCUPATIONS	4,730	7.28	N/A
ALL OTHER ENGINEERS	10	0.02	N/A
ALL OTHER MATHEMATICAL SCIENTISTS	20	0.03	N/A
SYSTEMS ANALYST, ELECTRONIC DATA PROCESSING	30	0.05	46
PURCHASING AGENT AND/OR BUYER	10	0.02	42
BUYER, RETAIL AND/OR WHOLESALE TRADE	1,040	1.60	14
ACCOUNTANTS AND AUDITORS	50	0.08	38
COMMERCIAL ARTIST	40	0.06	47
OPTOMETRIST	10	0.02	18
PHARMACIST	2,760	4.25	12
DESIGNER	600	0.92	20
ALL OTHER PROFESSIONAL WORKERS	160	0.25	N/A
TECHNICAL OCCUPATIONS	110	0.17	N/A
SERVICE WORKERS	1,170	1.80	N/A
JANITORS, PORTERS, AND CLEANERS	320	0.49	29
FOOD PREP. SERVICE WKR. FAST FOOD RESTAURANT	400	0.62	46
ALL OTHER FOOD SERVICE WORKERS	390	0.60	49
ALL OTHER SERVICE WORKERS	60	0.09	N/A
PRODUCTION AND MAINTENANCE WORKERS	10,870	16.73	N/A
MECHANIC, AUTOMOTIVE	220	0.34	26
COIN AND/OR VENDING MACHINE REPAIRER	470	0.72	26
GAS AND ELECTRIC APPLIANCE REPAIRER	170	0.26	42
ALL OTHER MECHANICS AND REPAIRERS	240	0.37	N/A
TRUCK DRIVER	890	1.37	13
DELIVERY AND/OR ROUTE WORKER	2,050	3.15	11
SUPERVISOR, NONWORKING	340	0.52	16
INDUSTRIAL TRUCK OPERATOR	10	0.02	N/A
JEWELER AND/OR SILVERSMITH	160	0.25	44
MAINTENANCE REPAIRER, GENERAL UTILITY	430	0.66	29
OIL BURNER INSTALLER AND SERVICER	1,360	2.09	8
ORDER FILLER	520	0.80	36
PRODUCTION PACKAGER, HAND OR MACHINE	10	0.02	44
SERVICE STATION OR FUEL PUMP ATTENDANT	280	0.43	21
OPTICIAN, DISPENSING AND/OR OPTICAL MECHANIC	10	0.02	14
STOCK CLERK, SALES FLOOR	2,340	3.60	14

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
MISCELLANEOUS RETAIL STORES
SIC = 59
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	170	0.26	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	170	0.26	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	950	1.46	N/A
CLERICAL OCCUPATIONS	18,260	28.10	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	660	1.02	17
COMPUTER OPERATOR	60	0.09	40
PERIPHERAL EDP EQUIPMENT OPERATOR	30	0.05	42
ALL OTHER OFFICE MACHINE OPERATORS	70	0.11	N/A
ACCOUNTING CLERK	1,120	1.72	14
BOOKKEEPER, HAND	1,910	2.94	9
ADJUSTMENT CLERK	30	0.05	28
CASHIER	8,160	12.56	10
COLLECTOR	20	0.03	25
FILE CLERK	20	0.03	50
GENERAL OFFICE CLERK	1,570	2.42	12
CREDIT AUTHORIZER	20	0.03	48
ORDER CLERK	940	1.45	25
PAYROLL AND/OR TIMEKEEPING CLERK	20	0.03	40
SECRETARY	850	1.31	12
SERVICE CLERK	60	0.09	13
SWITCHBOARD OPERATOR/RECEPTIONIST	20	0.03	40
TYPIST	30	0.05	38
ALL OTHER OFFICE CLERICAL WORKERS	380	0.58	30
SHIPPING PACKER	110	0.17	45
SHIPPING AND/OR RECEIVING CLERK	860	1.32	18
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	1,230	1.89	28
ALL OTHER PLANT CLERICAL WORKERS	90	0.14	N/A
SALES OCCUPATIONS	21,340	32.84	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	4,490	6.91	13
SALES CLERK	16,350	25.16	8
ALL OTHER SALES WORKERS	500	0.77	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
DRUG STORES AND PROPRIETARY STORES
SIC = 591
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	14,730	100.00	N/A
MANAGERS AND OFFICERS	1,260	8.55	N/A
MANAGER, RETAIL STORE	1,020	6.92	10
ALL OTHER MANAGERS	240	1.63	N/A
PROFESSIONAL OCCUPATIONS	2,830	19.21	N/A
PHARMACIST	2,680	18.19	12
ALL OTHER PROFESSIONAL WORKERS	150	1.02	N/A
SERVICE WORKERS	110	0.75	N/A
JANITORS, PORTERS, AND CLEANERS	20	0.14	N/A
FOOD PREP. SERVICE WKR. FAST FOOD RESTAURANT	90	0.61	N/A
PRODUCTION AND MAINTENANCE WORKERS	1,010	6.86	N/A
ORDER FILLER	50	0.34	N/A
STOCK CLERK, SALES FLOOR	790	5.36	30
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	170	1.15	N/A
CLERICAL OCCUPATIONS	4,690	31.84	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	40	0.27	N/A
ACCOUNTING CLERK	220	1.49	28
BOOKKEEPER, HAND	380	2.58	19
CASHIER	3,710	25.19	14
ALL OTHER OFFICE CLERICAL WORKERS	210	1.43	N/A
ALL OTHER PLANT CLERICAL WORKERS	130	0.88	N/A
SALES OCCUPATIONS	4,830	32.79	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	250	1.70	N/A
SALES CLERK	4,580	31.09	11

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
LIQUOR STORES
SIC = 592
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	8,420	100.00	N/A
MANAGERS AND OFFICERS	1,380	16.39	N/A
MANAGER, MERCHANDISE	110	1.31	23
MANAGER, RETAIL STORE	1,270	15.08	4
BUYER, RETAIL AND/OR WHOLESALE TRADE	100	1.19	23
JANITORS, PORTERS, AND CLEANERS	20	0.24	49
PRODUCTION AND MAINTENANCE WORKERS	1,010	12.00	N/A
DELIVERY AND/OR ROUTE WORKER	10	0.12	N/A
ORDER FILLER	20	0.24	N/A
STOCK CLERK, SALES FLOOR	960	11.40	14
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	20	0.24	N/A
CLERICAL OCCUPATIONS	2,350	27.91	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	10	0.12	N/A
ACCOUNTING CLERK	80	0.95	22
BOOKKEEPER, HAND	200	2.38	14
CASHIER	1,740	20.67	11
GENERAL OFFICE CLERK	40	0.48	36
ORDER CLERK	10	0.12	N/A
SECRETARY	20	0.24	50
SHIPPING AND/OR RECEIVING CLERK	110	1.31	41
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	140	1.66	41
SALES OCCUPATIONS	3,560	42.28	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	380	4.51	24
SALES CLERK	3,180	37.77	8

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
USED MERCHANDISE STORES
SIC = 593
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	1,440	100.00	N/A
MANAGERS AND OFFICERS	170	11.81	N/A
MANAGER, MERCHANDISE	20	1.39	47
MANAGER, RETAIL STORE	150	10.42	14
PROFESSIONAL OCCUPATIONS	50	3.47	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	40	2.78	25
ALL OTHER PROFESSIONAL WORKERS	10	0.69	N/A
SERVICE WORKERS	20	1.39	N/A
JANITORS, PORTERS, AND CLEANERS	10	0.69	42
ALL OTHER SERVICE WORKERS	10	0.69	N/A
PRODUCTION AND MAINTENANCE WORKERS	610	42.36	N/A
MECHANIC, AUTOMOTIVE	80	5.56	32
TRUCK DRIVER	70	4.86	28
MAINTENANCE REPAIRER, GENERAL UTILITY	30	2.08	43
ORDER FILLER	20	1.39	22
STOCK CLERK, SALES FLOOR	70	4.86	40
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	30	2.08	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	50	3.47	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	260	18.06	N/A
CLERICAL OCCUPATIONS	300	20.83	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	10	0.69	33
BOOKKEEPER, HAND	60	4.17	18
CASHIER	20	1.39	47
GENERAL OFFICE CLERK	80	5.56	38
ORDER CLERK	20	1.39	40
SECRETARY	40	2.78	34
ALL OTHER OFFICE CLERICAL WORKERS	10	0.69	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	40	2.78	40
ALL OTHER PLANT CLERICAL WORKERS	20	1.39	N/A
SALES OCCUPATIONS	290	20.14	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	130	9.03	19
SALES CLERK	160	11.11	24

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N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
MISCELLANEOUS SHOPPING GOODS STORES
SIC = 594
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	20,360	100.00	N/A
MANAGERS AND OFFICERS	3,400	16.70	N/A
MANAGER, MERCHANDISE	520	2.55	21
MANAGER, RETAIL STORE	2,780	13.65	10
ALL OTHER MANAGERS	100	0.49	N/A
PROFESSIONAL OCCUPATIONS	640	3.14	N/A
ALL OTHER MATHEMATICAL SCIENTISTS	20	0.10	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	490	2.41	26
ALL OTHER PROFESSIONAL WORKERS	130	0.64	N/A
TECHNICAL OCCUPATIONS	30	0.15	N/A
COMPUTER PROGRAMMER	20	0.10	N/A
ALL OTHER ENGINEERING TECHNICIANS	10	0.05	N/A
SERVICE WORKERS	140	0.69	N/A
PRODUCTION AND MAINTENANCE WORKERS	2,190	10.76	N/A
ALL OTHER MECHANICS AND REPAIRERS	280	1.38	N/A
INDUSTRIAL TRUCK OPERATOR	10	0.05	N/A
JEWELER AND/OR SILVERSMITH	150	0.74	48
STOCK CLERK, SALES FLOOR	450	2.21	41
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	200	0.98	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	390	1.92	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	710	3.49	N/A
CLERICAL OCCUPATIONS	5,500	27.01	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	200	0.98	46
ALL OTHER OFFICE MACHINE OPERATORS	70	0.34	N/A
ACCOUNTING CLERK	350	1.72	37
BOOKKEEPER, HAND	740	3.63	20
CASHIER	1,640	8.06	31
GENERAL OFFICE CLERK	400	1.96	37
ORDER CLERK	410	2.01	50
SECRETARY	190	0.93	35
SERVICE CLERK	50	0.25	N/A
ALL OTHER OFFICE CLERICAL WORKERS	250	1.23	N/A
SHIPPING AND/OR RECEIVING CLERK	510	2.50	26
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	630	3.09	49
ALL OTHER PLANT CLERICAL WORKERS	60	0.29	N/A
SALES OCCUPATIONS	8,460	41.55	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	2,230	10.95	23
SALES CLERK	5,880	28.88	18
ALL OTHER SALES WORKERS	350	1.72	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
NONSTORE RETAILERS
SIC = 596
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	5,110	100.00	N/A
MANAGERS AND OFFICERS	390	7.63	N/A
MANAGER, MERCHANDISE	60	1.17	28
MANAGER, RETAIL STORE	170	3.33	20
ALL OTHER MANAGERS	160	3.13	N/A
PROFESSIONAL OCCUPATIONS	200	3.91	N/A
SYSTEMS ANALYST, ELECTRONIC DATA PROCESSING	20	0.39	27
PURCHASING AGENT AND/OR BUYER	10	0.20	47
BUYER, RETAIL AND/OR WHOLESALE TRADE	70	1.37	28
ACCOUNTANTS AND AUDITORS	20	0.39	37
PERSONNEL AND LABOR RELATIONS SPECIALISTS	10	0.20	28
ALL OTHER PROFESSIONAL WORKERS	70	1.37	N/A
COMPUTER PROGRAMMER	10	0.20	22
SERVICE WORKERS	610	11.94	N/A
JANITORS, PORTERS, AND CLEANERS	20	0.39	22
FOOD PREP. SERVICE WKR. FAST FOOD RESTAURANT	310	6.07	49
ALL OTHER FOOD SERVICE WORKERS	260	5.09	N/A
ALL OTHER SERVICE WORKERS	20	0.39	N/A
PRODUCTION AND MAINTENANCE WORKERS	1,640	32.09	N/A
COIN AND/OR VENDING MACHINE REPAIRER	470	9.20	26
TRUCK DRIVER	20	0.39	35
DELIVERY AND/OR ROUTE WORKER	630	12.33	20
SUPERVISOR, NONWORKING	100	1.96	25
ORDER FILLER	190	3.72	26
STOCK CLERK, SALES FLOOR	10	0.20	45
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	110	2.15	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	80	1.57	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	30	0.59	N/A
CLERICAL OCCUPATIONS	1,380	27.01	N/A
COMPUTER OPERATOR	20	0.39	40
KEYPUNCH OPERATOR	20	0.39	15
PERIPHERAL EDP EQUIPMENT OPERATOR	20	0.39	46
ALL OTHER OFFICE MACHINE OPERATORS	10	0.20	N/A
ACCOUNTING CLERK	100	1.96	24
BOOKKEEPER, HAND	70	1.37	27
ADJUSTMENT CLERK	30	0.59	33
CASHIER	90	1.76	21
COLLECTOR	10	0.20	N/A
FILE CLERK	10	0.20	41
GENERAL OFFICE CLERK	220	4.31	19

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N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
NONSTORE RETAILERS
SIC = 596
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
ORDER CLERK	320	6.26	28
SECRETARY	80	1.57	24
SWITCHBOARD OPERATOR/RECEPTIONIST	10	0.20	24
TYPIST	20	0.39	32
CLERICAL SUPERVISOR, OFFICE OR PLANT	10	0.20	36
ALL OTHER OFFICE CLERICAL WORKERS	100	1.96	N/A
SHIPPING AND/OR RECEIVING CLERK	60	1.17	31
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	80	1.57	29
ALL OTHER PLANT CLERICAL WORKERS	100	1.96	N/A
SALES OCCUPATIONS	880	17.22	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	580	11.35	29
SALES CLERK	150	2.94	45
ALL OTHER SALES WORKERS	150	2.94	N/A

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1 - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
FUEL AND ICE DEALERS
SIC = 598
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT NUMBER[1]	EMPLOYMENT PERCENT OF TOTAL	EMPLOYMENT RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	6,420	100.00	N/A
MANAGERS AND OFFICERS	620	9.66	N/A
MANAGER, MERCHANDISE	120	1.87	25
MANAGER, RETAIL STORE	430	6.70	14
ALL OTHER MANAGERS	70	1.09	N/A
PROFESSIONAL OCCUPATIONS	80	1.25	N/A
ALL OTHER ENGINEERS	10	0.16	20
BUYER, RETAIL AND/OR WHOLESALE TRADE	50	0.78	35
ALL OTHER PROFESSIONAL WORKERS	20	0.31	N/A
JANITORS, PORTERS, AND CLEANERS	40	0.62	36
PRODUCTION AND MAINTENANCE WORKERS	3,510	54.67	N/A
MECHANIC, AUTOMOTIVE	90	1.40	26
GAS AND ELECTRIC APPLIANCE REPAIRER	170	2.65	42
ALL OTHER MECHANICS AND REPAIRERS	10	0.16	N/A
TRUCK DRIVER	510	7.94	14
DELIVERY AND/OR ROUTE WORKER	790	12.31	13
SUPERVISOR, NONWORKING	150	2.34	20
MAINTENANCE REPAIRER, GENERAL UTILITY	70	1.09	35
OIL BURNER INSTALLER AND SERVICER	1,360	21.18	8
PLUMBER AND/OR PIPEFITTER	10	0.16	N/A
SERVICE STATION OR FUEL PUMP ATTENDANT	280	4.36	21
STOCK CLERK, SALES FLOOR	20	0.31	26
ALL OTHER LABORERS AND UNSKILLED WORKERS	50	0.78	N/A
CLERICAL OCCUPATIONS	1,730	26.95	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	330	5.14	14
ALL OTHER OFFICE MACHINE OPERATORS	10	0.16	N/A
ACCOUNTING CLERK	230	3.58	19
BOOKKEEPER, HAND	230	3.58	15
CASHIER	30	0.47	38
GENERAL OFFICE CLERK	520	8.10	14
ORDER CLERK	30	0.47	47
SECRETARY	260	4.05	16
ALL OTHER OFFICE CLERICAL WORKERS	40	0.62	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	20	0.31	27
ALL OTHER PLANT CLERICAL WORKERS	30	0.47	N/A
SALES OCCUPATIONS	440	6.85	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	260	4.05	16
SALES CLERK	180	2.80	45

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
RETAIL STORES, NOT ELSEWHERE CLASSIFIED
SIC = 599
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
TOTAL INDUSTRY EMPLOYMENT	8,540	100.00	N/A
MANAGERS AND OFFICERS	1,290	15.11	N/A
MANAGER, MERCHANDISE	120	1.41	28
MANAGER, RETAIL STORE	1,130	13.23	8
ALL OTHER MANAGERS	40	0.47	N/A
PROFESSIONAL OCCUPATIONS	860	10.07	N/A
BUYER, RETAIL AND/OR WHOLESALE TRADE	180	2.11	23
ACCOUNTANTS AND AUDITORS	10	0.12	N/A
OPTOMETRIST	10	0.12	18
DESIGNER	550	6.44	21
ALL OTHER PROFESSIONAL WORKERS	110	1.29	N/A
TECHNICAL OCCUPATIONS	70	0.82	N/A
SERVICE WORKERS	230	2.69	N/A
JANITORS, PORTERS, AND CLEANERS	90	1.05	47
ALL OTHER FOOD SERVICE WORKERS	120	1.41	N/A
ALL OTHER SERVICE WORKERS	20	0.23	N/A
PRODUCTION AND MAINTENANCE WORKERS	870	10.19	N/A
TRUCK DRIVER	160	1.87	38
DELIVERY AND/OR ROUTE WORKER	260	3.04	23
SUPERVISOR, NONWORKING	50	0.59	50
MAINTENANCE REPAIRER, GENERAL UTILITY	190	2.22	50
ORDER FILLER	60	0.70	47
OPTICIAN, DISPENSING AND/OR OPTICAL MECHANIC	10	0.12	14
STOCK CLERK, SALES FLOOR	30	0.35	49
ALL OTHER SKILLED CRAFT AND KINDRED WORKERS	20	0.23	N/A
ALL OTHER OPERATIVES AND SEMISKILLED WORKERS	40	0.47	N/A
ALL OTHER LABORERS AND UNSKILLED WORKERS	50	0.59	N/A
CLERICAL OCCUPATIONS	2,350	27.52	N/A
BOOKKEEPING AND/OR BILLING MACHINE OPERATOR	80	0.94	42
ALL OTHER OFFICE MACHINE OPERATORS	10	0.12	N/A
ACCOUNTING CLERK	150	1.76	26
BOOKKEEPER, HAND	230	2.69	18
CASHIER	930	10.89	29
GENERAL OFFICE CLERK	220	2.58	32
ORDER CLERK	80	0.94	41
SECRETARY	230	2.69	24
ALL OTHER OFFICE CLERICAL WORKERS	60	0.70	N/A

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1 - Summed parts may not equal totals because of rounding.
N/A - Relative Error Not Available

TABLE
OCCUPATIONS OF EMPLOYEES
RETAIL STORES, NOT ELSEWHERE CLASSIFIED
SIC = 599
REFERENCE DATE JUNE 1982

OCCUPATIONAL TITLE	EMPLOYMENT		
	NUMBER[1]	PERCENT OF TOTAL	RELATIVE ERROR %
SHIPPING PACKER	10	0.12	14
SHIPPING AND/OR RECEIVING CLERK	100	1.17	N/A
STOCK CLERK,STOCKROOM,WAREHOUSE,STORAGE YARD	250	2.93	39
SALES OCCUPATIONS	2,870	33.61	N/A
SALES AGENT, ASSOCIATE, AND/OR REPRESENTATIVE	660	7.73	22
SALES CLERK	2,210	25.88	14

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[1] - Summed parts may not equal totals because of rounding.

N/A - Relative Error Not Available

METHODOLOGY

The Sample

The second quarter 1982 report (ES-202) of employment and wages covered by the Massachusetts Employment Security Law was used as a sampling frame for the Occupational Employment Statistics survey of nonmanufacturing establishments.

The sampling frame was stratified by three-digit SIC's (Standard Industrial Classification) and by nine employment size classes. Establishments with less than four employees were excluded from the sample, and all units with employment of two hundred and fifty or more were automatically included. All other establishments were subject to sample selection on a random basis, with the units in larger size classes having a proportionately higher chance of selection. Each unit was given a weight according to the proportion of firms selected in each size class. The sample included 4,442 establishments with benchmark employment of 333,331.

The Survey and Response

After the initial mailing, two follow-ups were sent to nonrespondents. Telephone calls and personal visits were made to nonrespondents where the data was critical for calculating valid estimates. Of the 4,442 establishments in the survey, replies were received from 3,477, a response rate of 78.3 percent. After manual editing and mechanical (computer) screening 3,277 were useable, with total employment of 235,422, 70.6 percent of sample employment.

The Estimating Procedure

All useable questionnaires were stratified into seven size groups, by industry. Reported total employment and occupational employment on each questionnaire was multiplied by the weight assigned during sample selection. These industry data were then divided into the employment in the ES-202 report (stratified by corresponding cells) for the reference month of the survey. The result produced by this procedure is known as the benchmark factor. This factor was then applied to the occupational data, thus accounting for nonresponse. These occupational estimates were then summed across size classes to industry totals.

Sampling Error

Sampling error is an arithmetic measure of the precision of an estimate. It is the difference between the estimate computed from the sample and the result that would have been obtained if the same methods were used to collect identical information from the universe. The relative errors listed in this report are the sampling errors of each occupation expressed as a percent of that occupational estimate. The relative errors shown are such that the chances are 2 out of 3 that the results of a comparable full scale data collection, using the same survey approach, would not differ by more than the percent shown; the chances are 19 out of 20 that the results of a full scale data collection would not differ by more than twice the percent shown. For example, it is estimated in this report that there are 17,590 Cashiers employed in SIC 541, Grocery Stores, making up 27.02 percent of total employment in the industry. Thus, the chances are about 68 out of 100 that the results of a comparable full scale data collection would differ by less than 1,231 (7 percent) from the 17,590 estimated; similarly the estimated 27.02 percent of total employment would differ by less than 1.89 percent of total employment.

Nonsampling Error

The results of this survey are subject to biases and other nonsampling errors. Although careful editing and screening steps were taken, responding establishments may account for some errors in computations and processing, as well as placing workers in a wrong occupation. The nonrespondents are a source of nonsampling error for which measures are not available but are reflected in the estimating procedure.

THE MAJOR OCCUPATIONAL CATEGORIES USED IN THE OCCUPATIONAL EMPLOYMENT STATISTICS SURVEY

OES CODE	DESCRIPTION
10000	MANAGERS AND OFFICERS Includes persons concerned with policy making, planning, organizing, staffing, directing and/or who directly supervise the activities of the company or establishment workforce. Includes only managers and officers who are exempt from the minimum wage and overtime provisions of the Fair Labor Standards Act.
20000	PROFESSIONAL OCCUPATIONS Includes persons concerned with the theoretical or practical aspects of such fields as science, engineering, technical work, art, education, medicine, law and business relations. Most of these occupations require substantial educational preparation, usually at the university level.
30000	TECHNICAL OCCUPATIONS Includes all persons actually engaged in technical work utilizing theoretical knowledge of fundamental scientific, engineering, mathematical, computer programming, or draft design principles, comparable to those acquired through study at institutions with less extensive training than 4-year colleges.
40000	SERVICE WORKERS Includes those workers in occupations concerned with the performance of services for persons that require either direct contact or close association with the individual; occupations concerned with the protection of individuals or public or private property; occupations concerned with preparing and serving food and beverages; and occupations related to the cleaning of the interior and equipment of buildings, offices, stores, and similar places.

OES CODE	DESCRIPTION (continued)
50000	PRODUCTION AND MAINTENANCE WORKERS Includes all skilled, semiskilled, and unskilled workers performing machine and manual tasks involving operating, maintenance, construction, repair, material handling, and powerplant operations.
60000	CLERICAL OCCUPATIONS Includes office and plant clerical personnel. Office clerical work involves preparing, transcribing, transferring, systematizing, and preserving communications and records; collating accounts and distributing information. Plant clerical work involves planning, coordinating, or expediting of production and the flow of work; or the clerical aspects of receiving, storing, issuing, or shipping of materials, merchandise, supplies, or equipment.
70000	SALES OCCUPATIONS Includes persons concerned wholly or primarily with selling when knowledge of the goods or services sold is required, such as sales agents, sales clerks, real estate agents, demonstrators, etc.